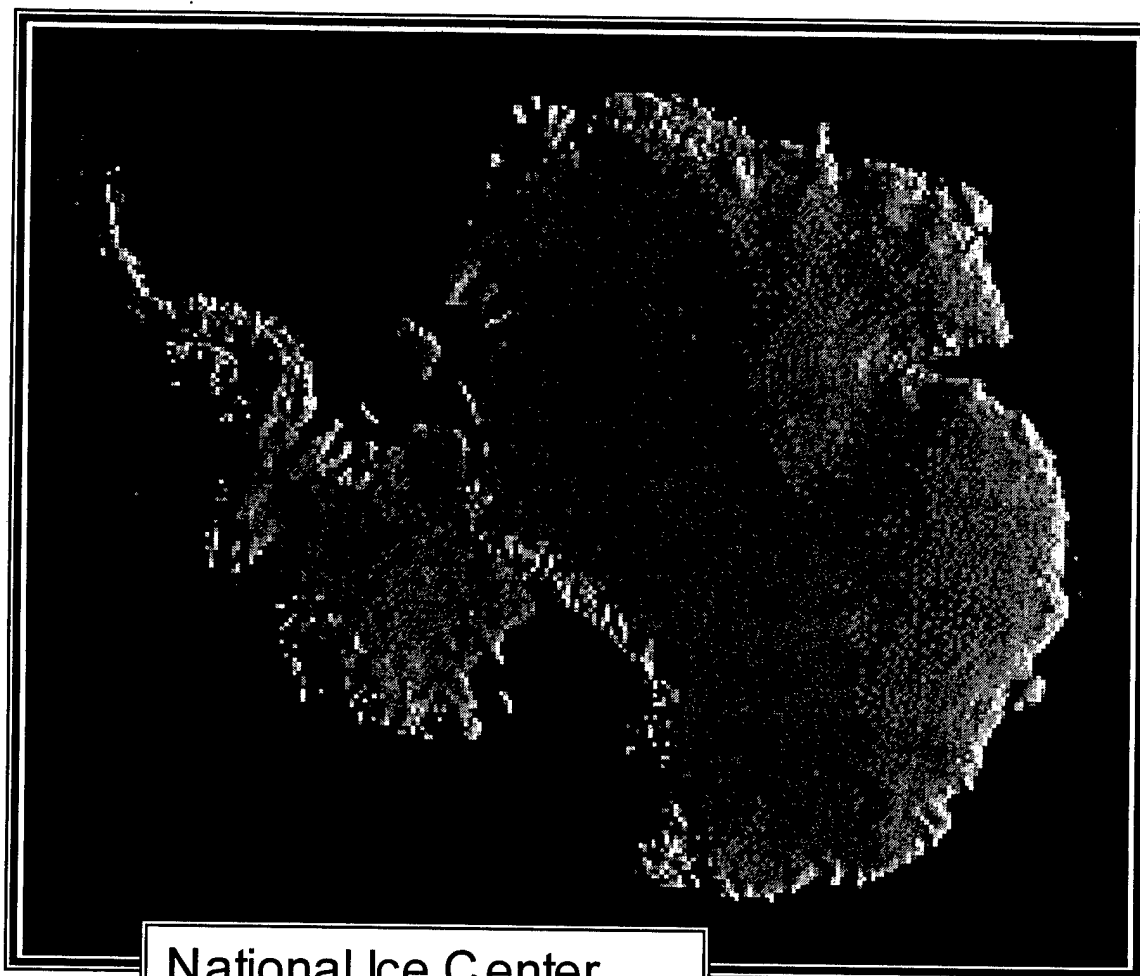




National Ice Center
Special Antarctic Sea Ice
Supplement
1997



National Ice Center
4251 Suitland Road
FB4, Room 2301
Washington D.C.
20395

<http://www.natice.noaa.gov>

DTIC QUALITY INSPECTED 4

19990722 017

DISTRIBUTION STATEMENT A
Approved for Public Release
Distribution Unlimited

PREFACE

The National Ice Center (NIC), under sponsorship of the United States Navy, the United States Coast Guard, and the National Oceanic and Atmospheric Administration (NOAA), provides sea ice analyses encompassing the "Arctic" and the "Antarctic". These analyses continue the data set established under our previous name, the Joint Ice Center. These atlases continue the near real-time integration of remotely sensed data and point observations and differ only in that the Arctic and Antarctic are split into two separate publications per hemisphere per year.

This publication is Supplement I to the 12th edition of the annual "Antarctic Sea Ice Atlas" which is published in hard copy format by the NIC. The atlas contains weekly charts depicting the sea ice extent and coverage in the Southern Hemisphere from the last week in October 1997 through December 1997. Future annual atlases will be available in a digital format on CD-ROM through the National Snow and Ice Data Center (<http://www-nsidc.colorado.edu>). NSIDC is the official archive center for the NIC.

The NIC uses a wide variety of data sources in the production of sea ice analyses. Table 1 lists the data sources used to produce the Antarctic weekly ice analyses contained in this publication.

Please direct questions or comments to the NIC Liaison Branch, at phone number (301) 457-5303 extension 311 or 303, facsimile number (301) 457-5300, or electronic mail address: liaison@natice.noaa.gov

Note: During weeks that are "Sea Ice Free" no chart will be present.

BELLINGHAUSEN ICE ANALYSIS (1 OF 5)

NATIONAL ICE CENTER

ANALYSIS DATE: WEEK OF 27 OCT 97

DATA SOURCES

DATE

RECONNAISSANCE.....

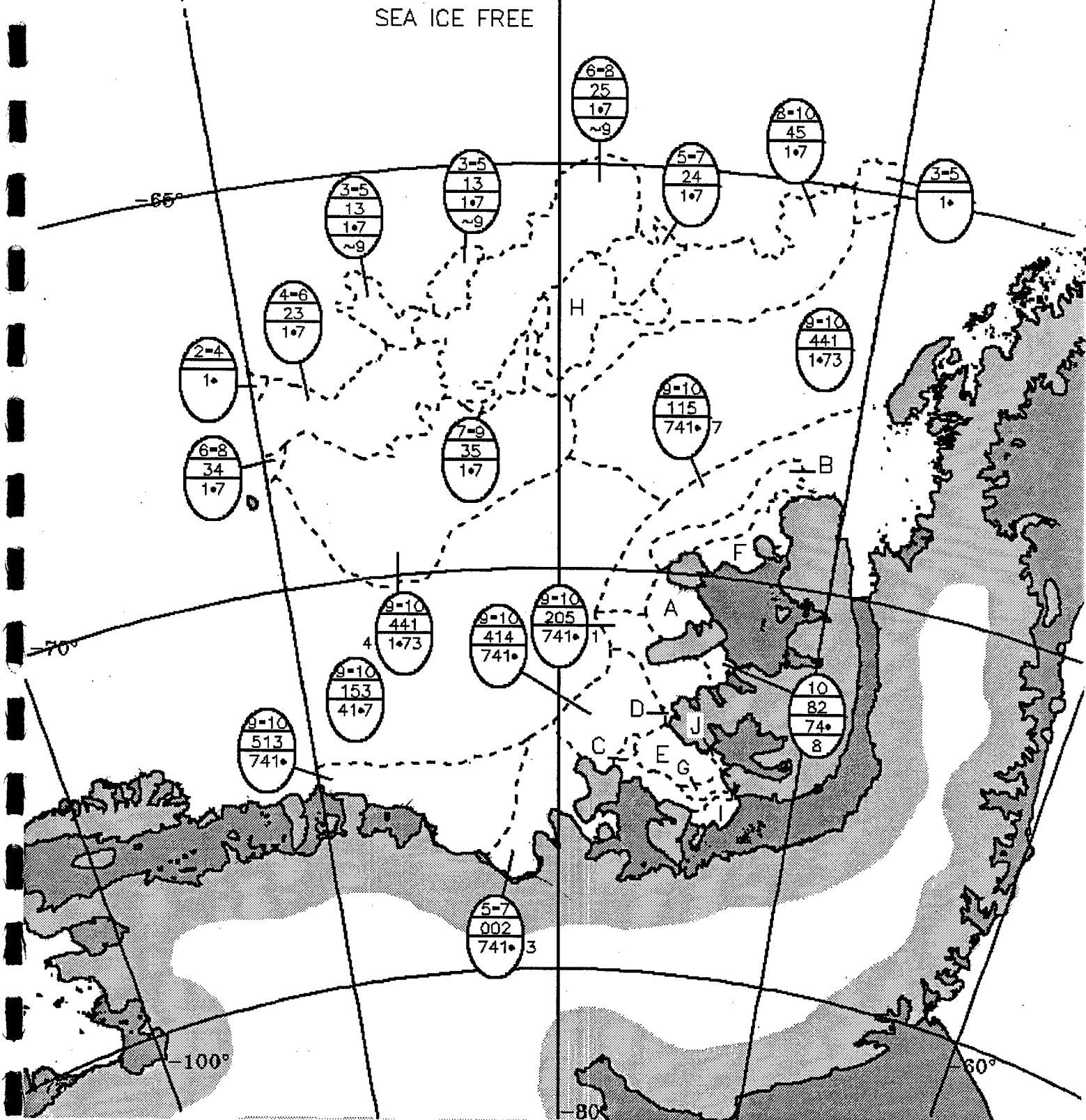
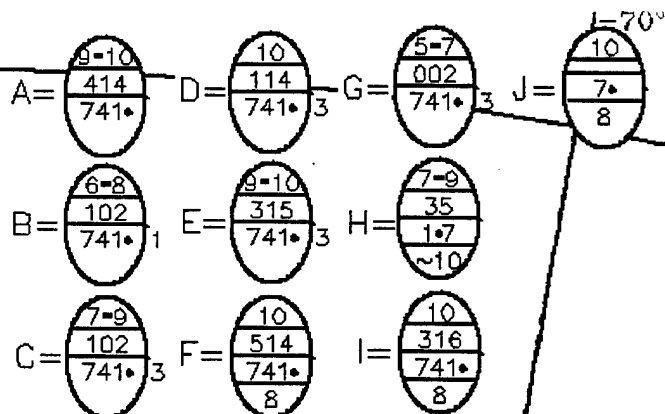
SHIP.....

SSM/I..... 27 OCT 97

VISIBLE/INFRARED..... 27 OCT 97

RADAR.....

SEA ICE FREE



BELLINGHAUSEN ICE ANALYSIS (2 OF 5)

NATIONAL ICE CENTER

ANALYSIS DATE: WEEK OF 27 OCT 97

DATA SOURCES

DATE

RECONNAISSANCE.....

SHIP.....

SSM/I..... 28 OCT 97

VISIBLE/INFRARED.....

RADAR.....

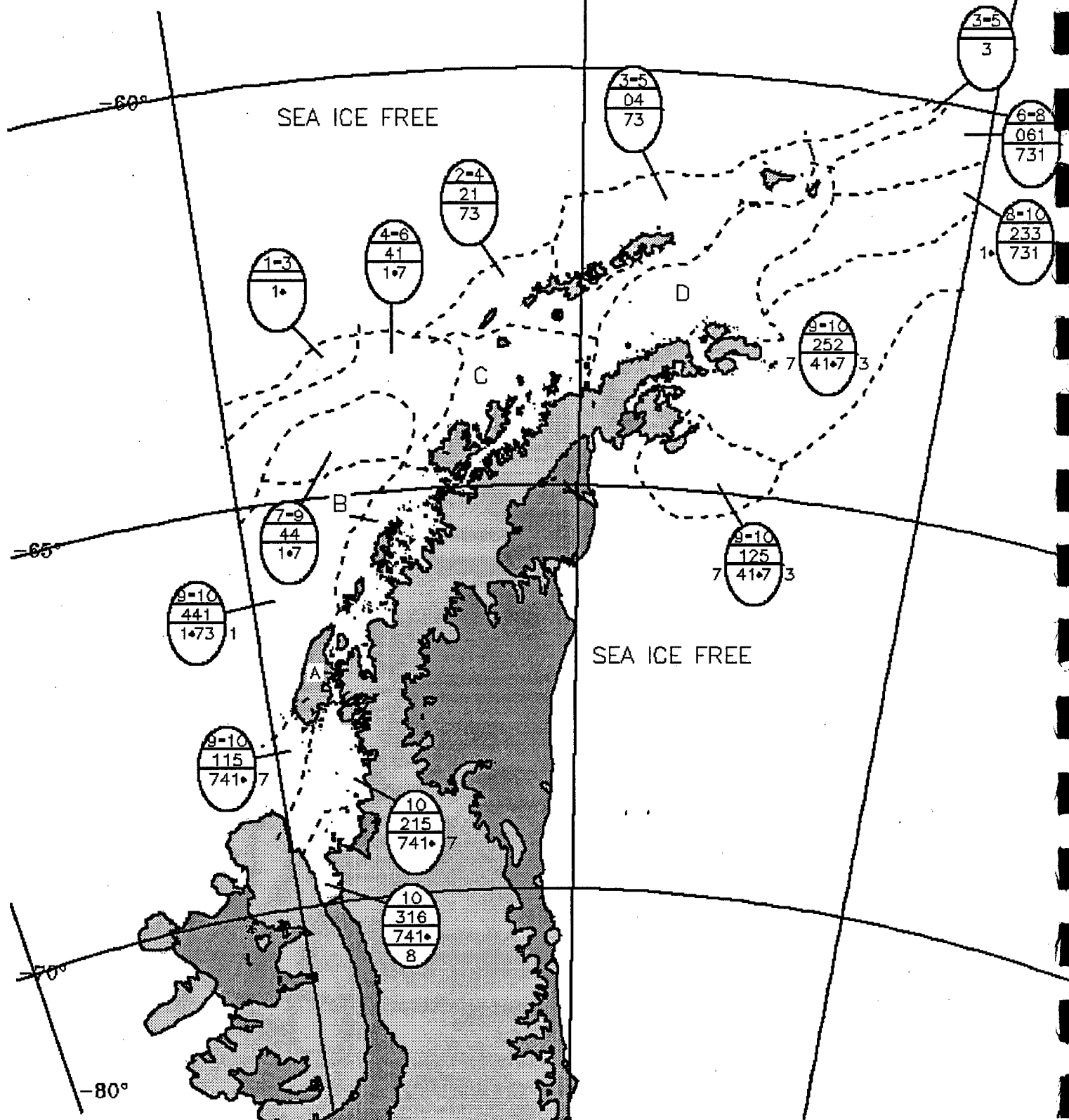
-60°

A = $\frac{10}{136}$
 $\frac{41.7}{8}$

C = $\frac{4-6}{23}$
 $\frac{73}{73}$

B = $\frac{6-8}{052}$
 $\frac{731}{731}$

D = $\frac{6-8}{142}$
 $\frac{731}{731}$



BELLINGHAUSEN ICE ANALYSIS (3 OF 5)

NATIONAL ICE CENTER

WEEK OF

ANALYSIS DATE: 27 OCT 97

DATA SOURCES DATE

RECONNAISSANCE

SHIP

SSM/I 27 OCT 97

VISIBLE/INFRARED

RADAR



A=

SEA ICE FREE

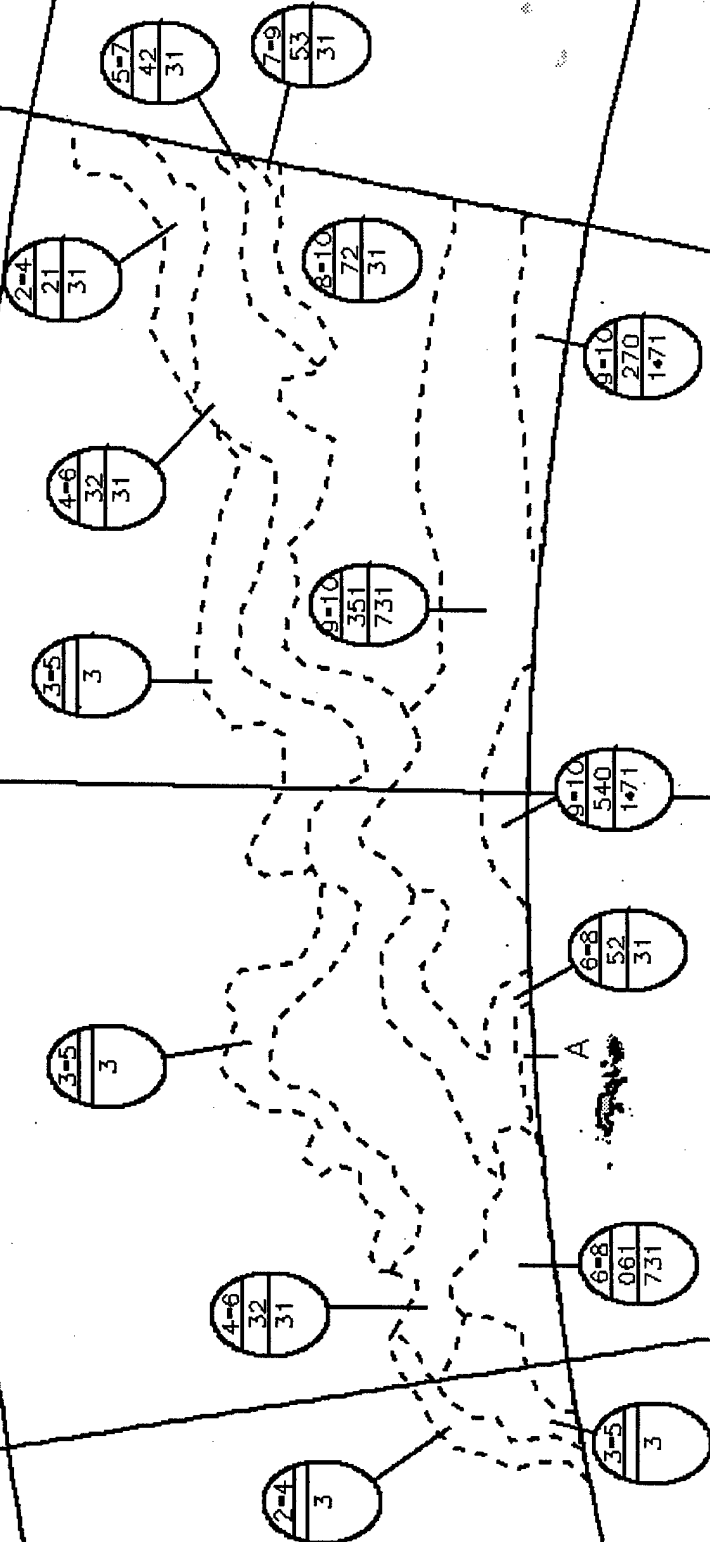
SEA ICE FREE

-55°

-60°

-40°

-30°



BELLINGHAUSEN ICE ANALYSIS (4 OF 5)

NATIONAL ICE CENTER

ANALYSIS DATE: WEEK OF 27 OCT 97

DATA SOURCES DATE

RECONNAISSANCE.....

SHIP.....

SSM/1.....27 OCT 97

VISIBLE/INFRARED.....

RADAR.....

-40°

-50°

-20°

-60°

SEA ICE FREE

9-10
351
731

9-10
351
731

6-8
52
31

7-9
62
31

6-8
061
731

3-5
3

9-10
540
1-71

9-10
252
41-7 3

8-10
233
731

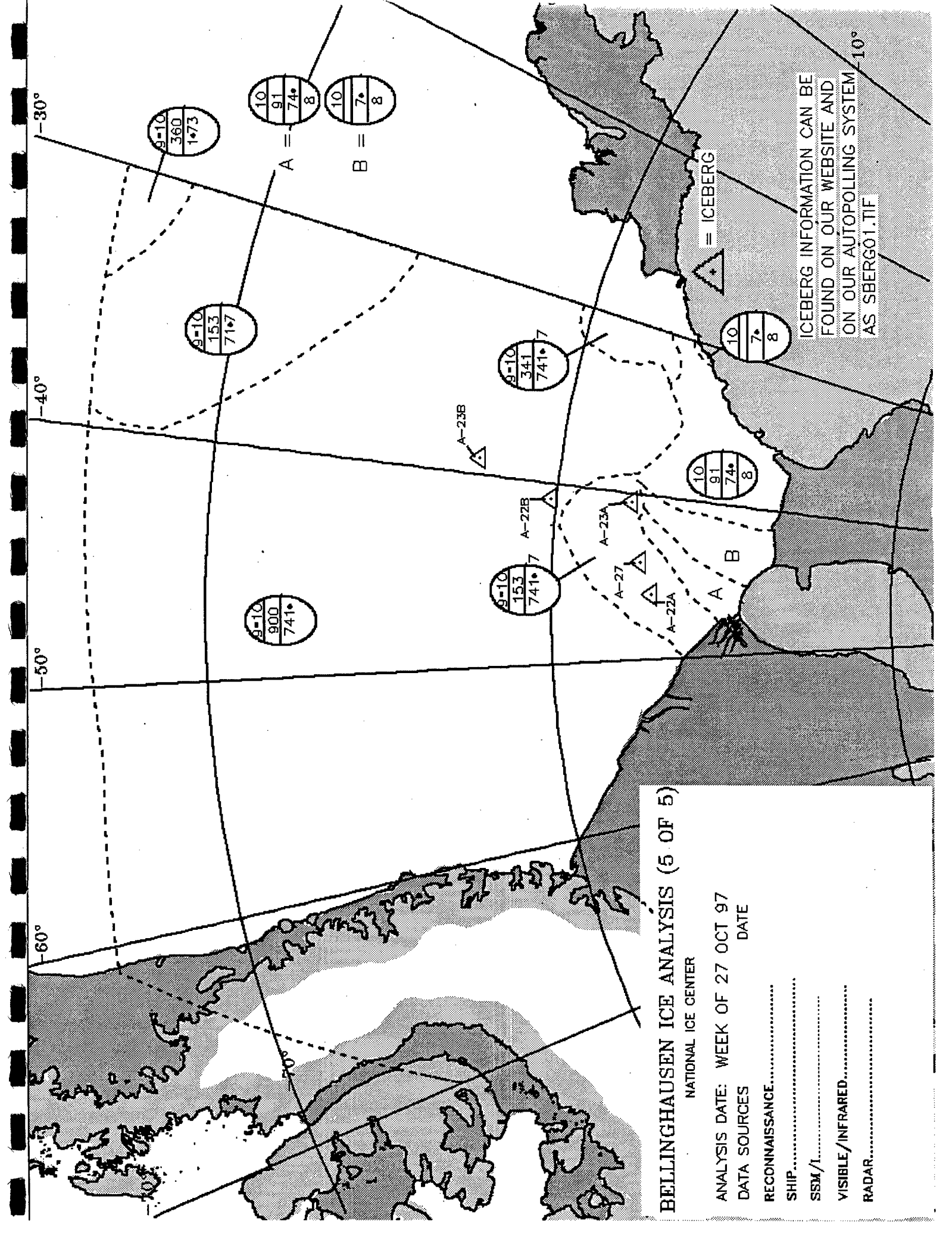
9-10
270
1-73

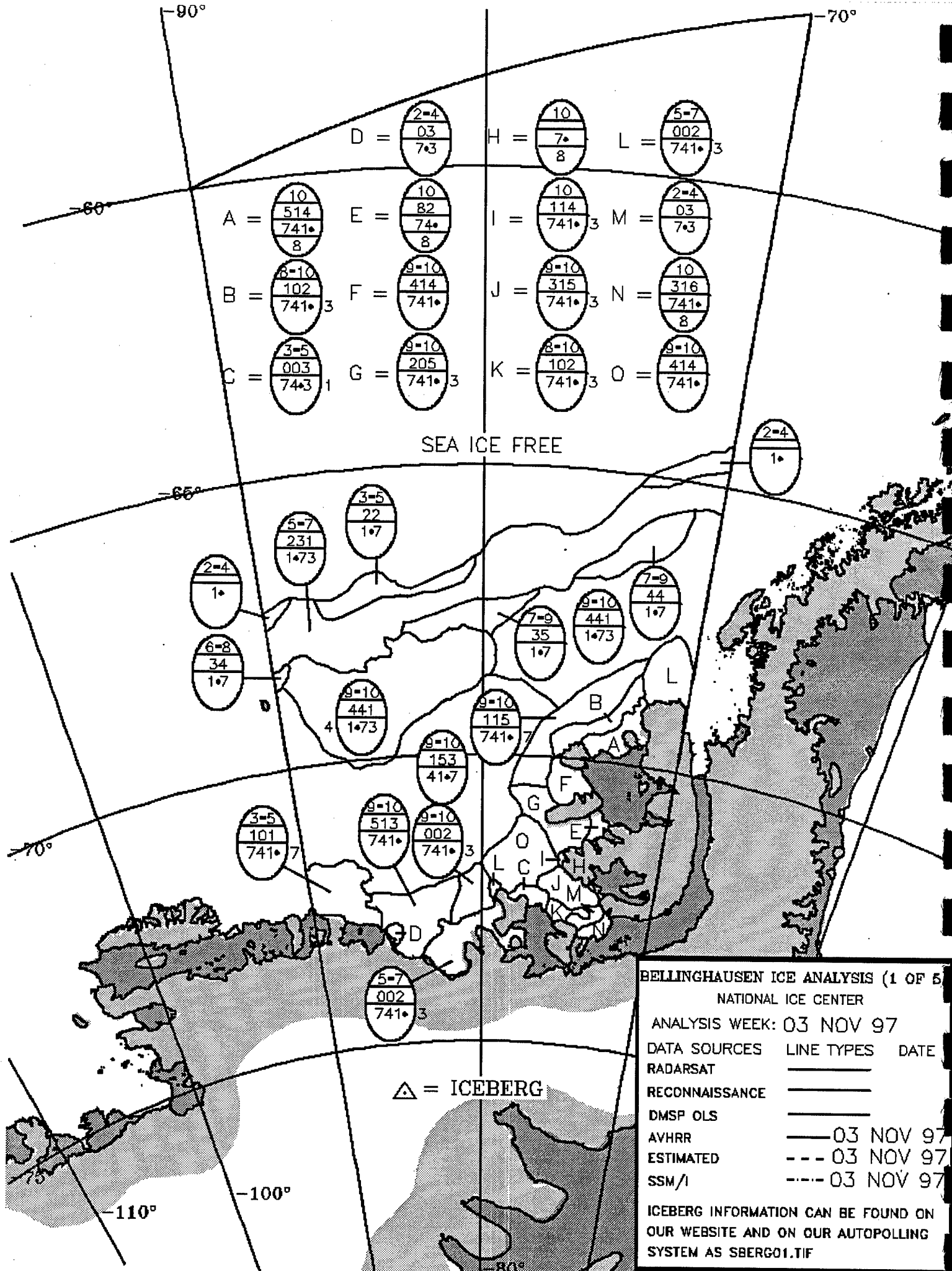
9-10
360
1-73

9-10
252
41-7

9-10
900
741

9-10
153
71-7





SEA ICE FREE

△ = ICEBERG

BELLINGHAUSEN ICE ANALYSIS (1 OF 5)
 NATIONAL ICE CENTER
 ANALYSIS WEEK: 03 NOV 97
 DATA SOURCES LINE TYPES DATE
 RADARSAT _____
 RECONNAISSANCE _____
 DMSP OLS _____
 AVHRR _____ 03 NOV 97
 ESTIMATED - - - 03 NOV 97
 SSM/I - - - 03 NOV 97

ICEBERG INFORMATION CAN BE FOUND ON
 OUR WEBSITE AND ON OUR AUTOPOLLING
 SYSTEM AS SBERG01.TIF

BELLINGHAUSEN ICE ANALYSIS (2 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK: 03 NOV 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

AVHRR

ESTIMATED

SSM/I

03 NOV 97

03 NOV 97

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG

A = $\frac{10}{215}$
741•7

D = $\frac{6-8}{43}$
1•7

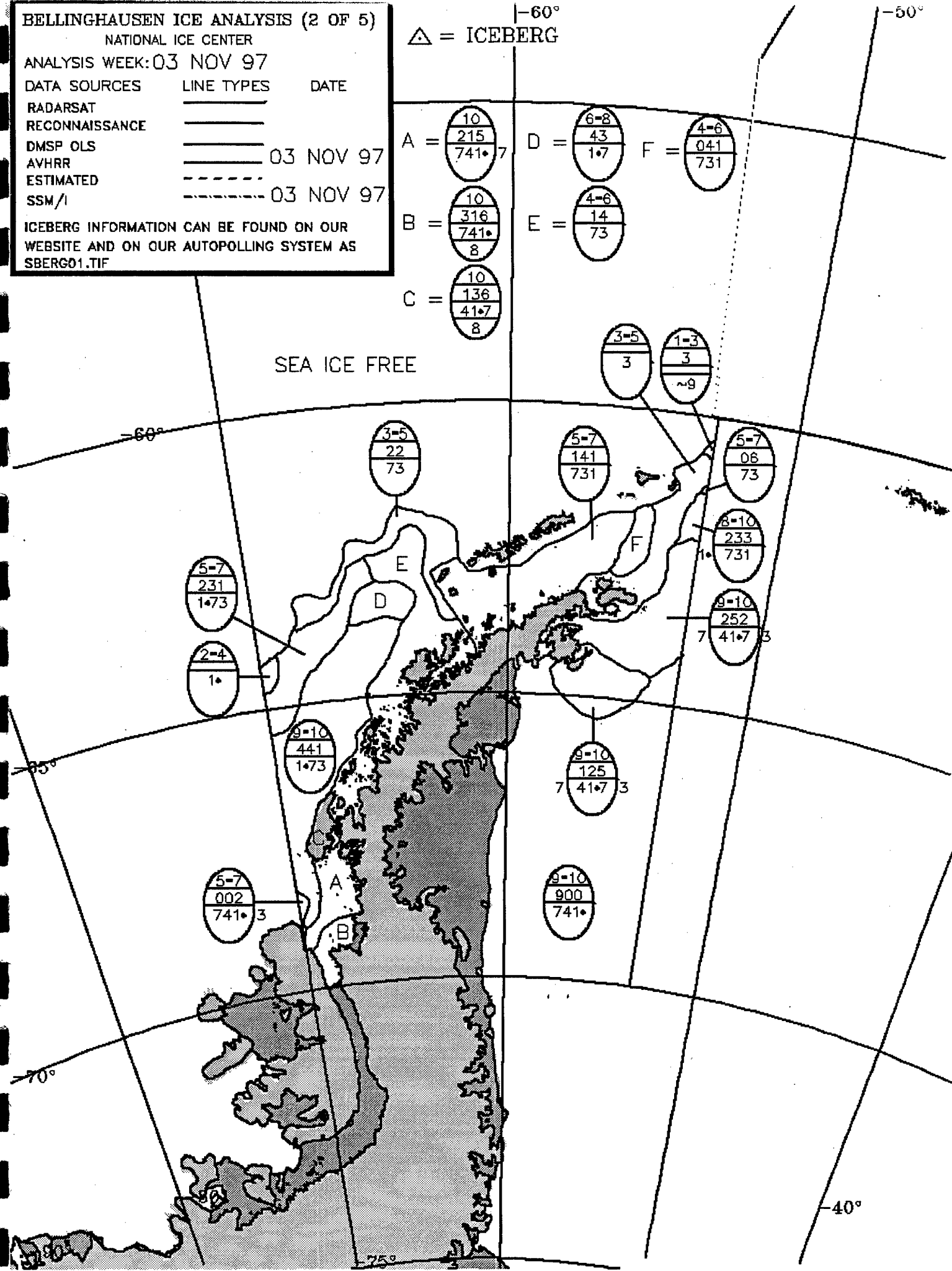
F = $\frac{4-6}{041}$
731

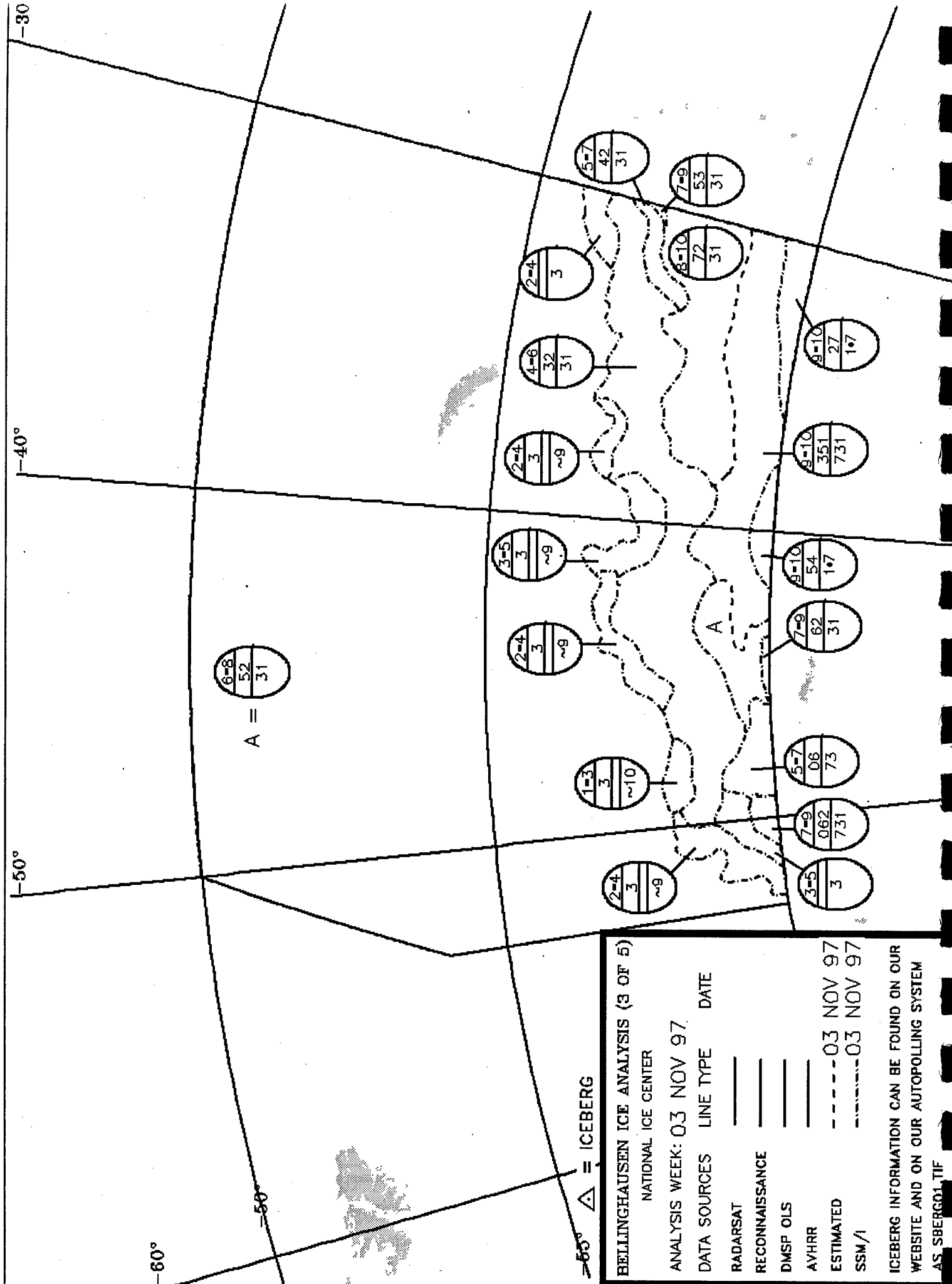
B = $\frac{10}{316}$
741•8

E = $\frac{4-6}{14}$
73

C = $\frac{10}{136}$
41•78

SEA ICE FREE





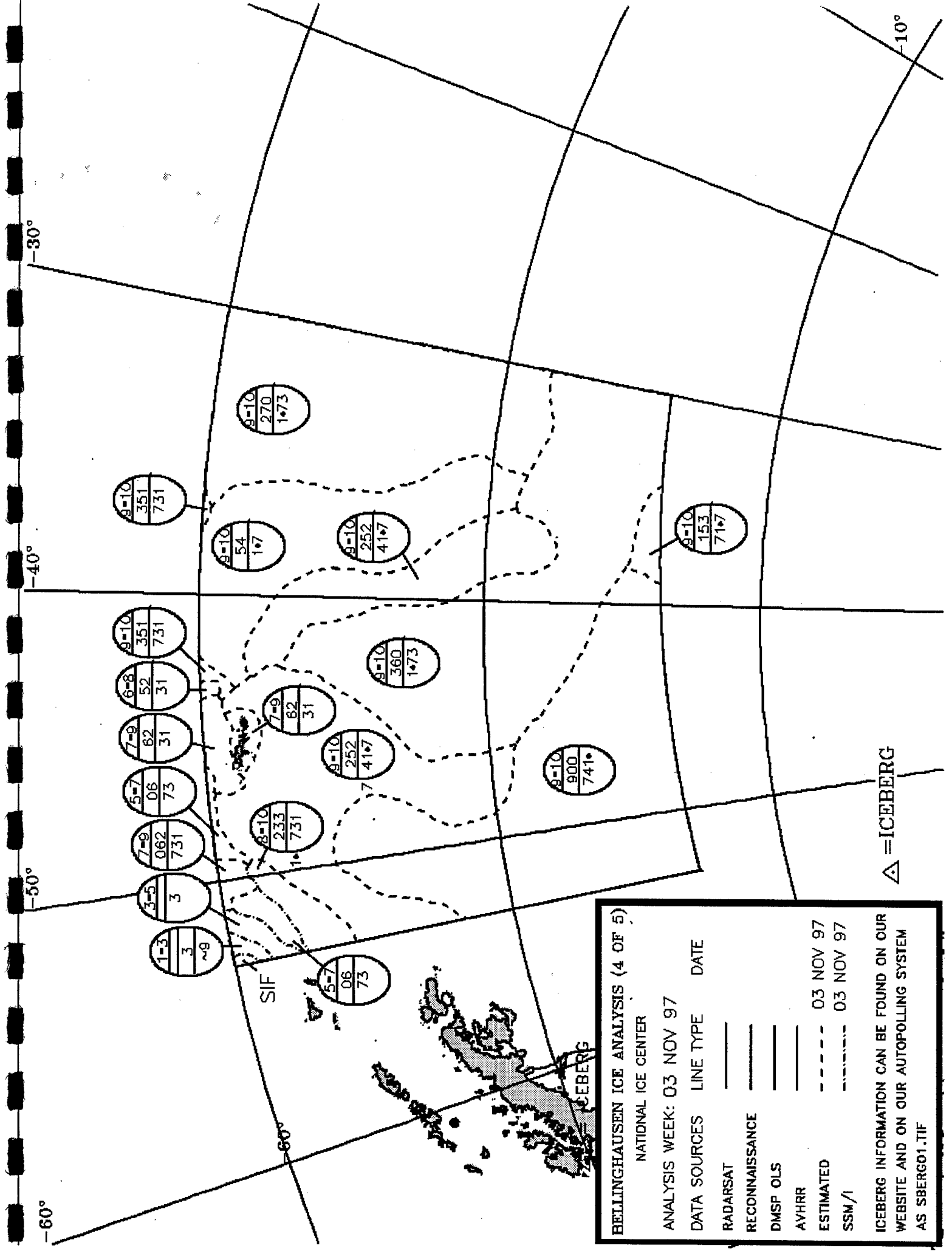
BELLINGHAUSEN ICE ANALYSIS (3 OF 5)
 NATIONAL ICE CENTER

ANALYSIS WEEK: 03 NOV 97

DATA SOURCES	LINE TYPE	DATE
RADARSAT	---	---
RECONNAISSANCE	---	---
DMSP OLS	---	---
AVHRR	---	---
ESTIMATED	---	03 NOV 97
SSM/I	---	03 NOV 97

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM

AS SBORG1.TIF



BELLINGHAUSEN ICE ANALYSIS (4 OF 5)

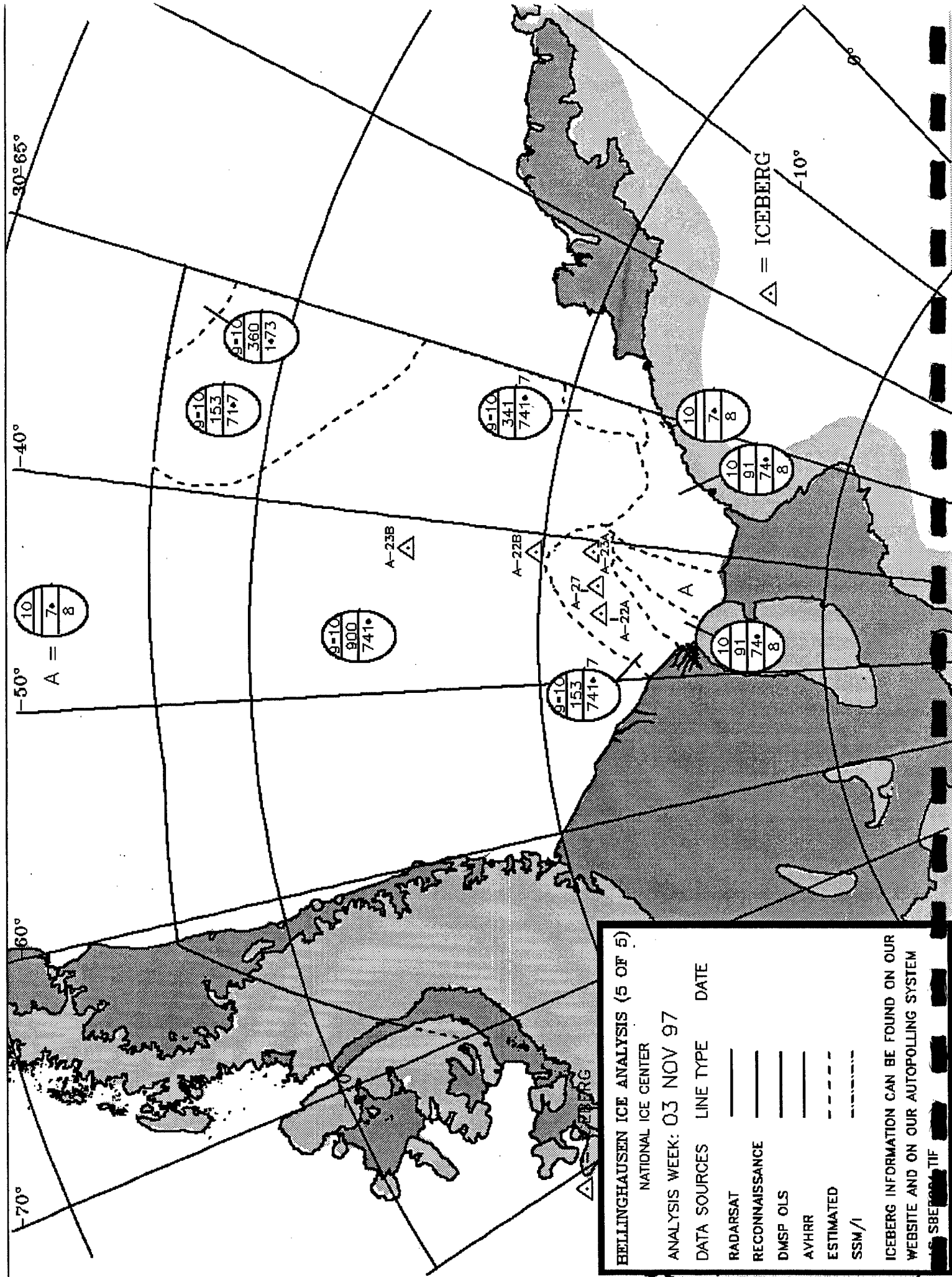
NATIONAL ICE CENTER

ANALYSIS WEEK: 03 NOV 97

DATA SOURCES	LINE TYPE	DATE
RADARSAT	---	
RECONNAISSANCE	---	
DMSP OLS	---	
AVHRR	---	
ESTIMATED	---	03 NOV 97
SSM/I	---	03 NOV 97

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF

△ = ICEBERG



BELLINGHAUSEN ICE ANALYSIS (5 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK: 03 NOV 97

DATA SOURCES LINE TYPE DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

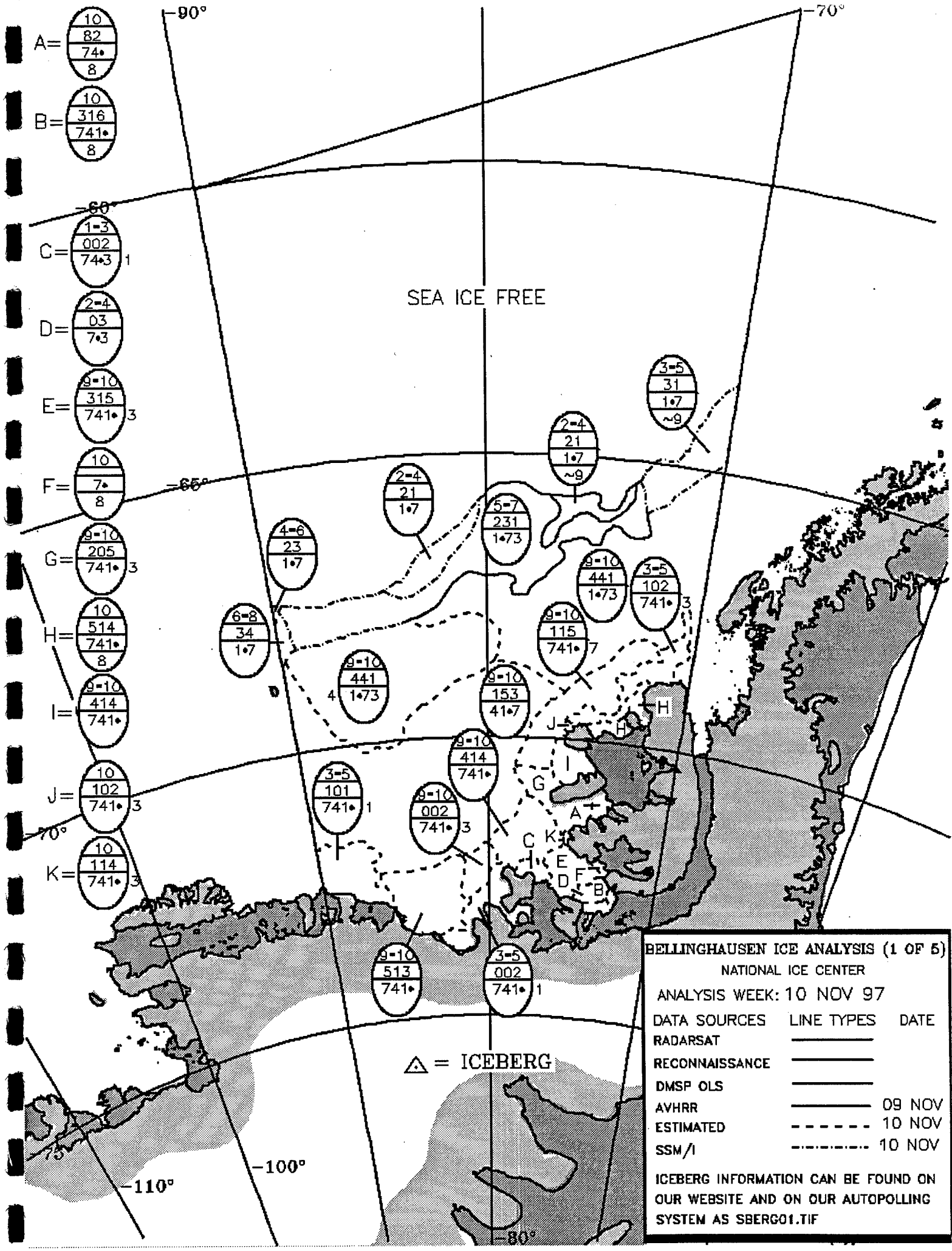
AVHRR

ESTIMATED

SSM/I

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM

U.S. SBEP004.TIF



- A = $\frac{10}{82}$
 $\frac{74}{8}$
- B = $\frac{10}{316}$
 $\frac{741}{8}$
- C = $\frac{1-3}{002}$
 $\frac{74}{3}$
- D = $\frac{2-4}{03}$
 $\frac{7}{3}$
- E = $\frac{9-10}{315}$
 $\frac{741}{3}$
- F = $\frac{10}{7}$
 $\frac{8}{8}$
- G = $\frac{9-10}{205}$
 $\frac{741}{3}$
- H = $\frac{10}{514}$
 $\frac{741}{8}$
- I = $\frac{9-10}{414}$
 $\frac{741}{8}$
- J = $\frac{10}{102}$
 $\frac{741}{3}$
- K = $\frac{10}{114}$
 $\frac{741}{3}$

BELLINGHAUSEN ICE ANALYSIS (1 OF 5)
 NATIONAL ICE CENTER
 ANALYSIS WEEK: 10 NOV 97

DATA SOURCES	LINE TYPES	DATE
RADARSAT	_____	
RECONNAISSANCE	_____	
DMSP OLS	_____	
AVHRR	_____	09 NOV
ESTIMATED	-----	10 NOV
SSM/I	-----	10 NOV

ICEBERG INFORMATION CAN BE FOUND ON
 OUR WEBSITE AND ON OUR AUTOPOLLING
 SYSTEM AS SBORG01.TIF

BELLINGHAUSEN ICE ANALYSIS (2 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK: 10 NOV 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

AVHRR

ESTIMATED

SSM/I

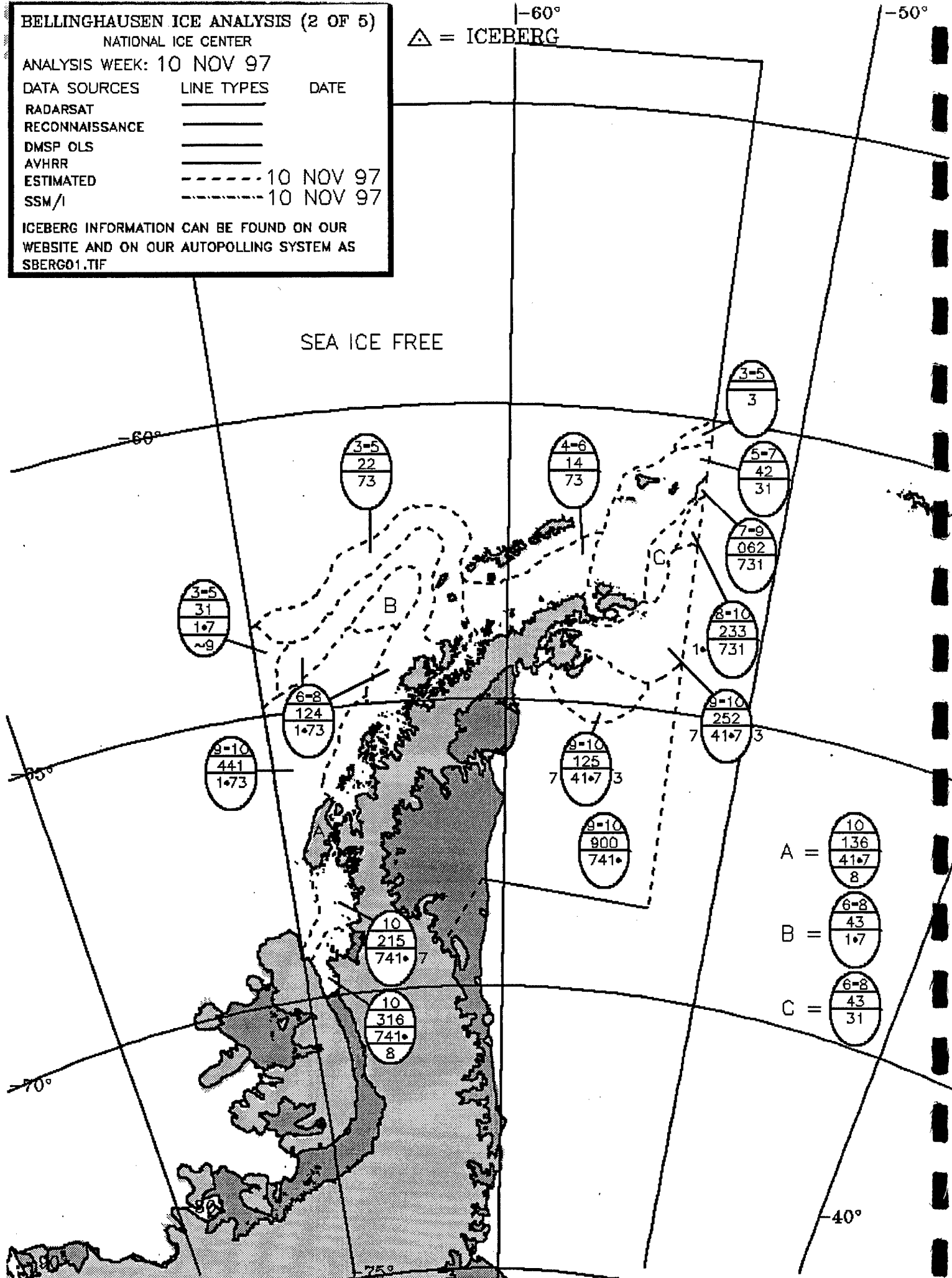
10 NOV 97

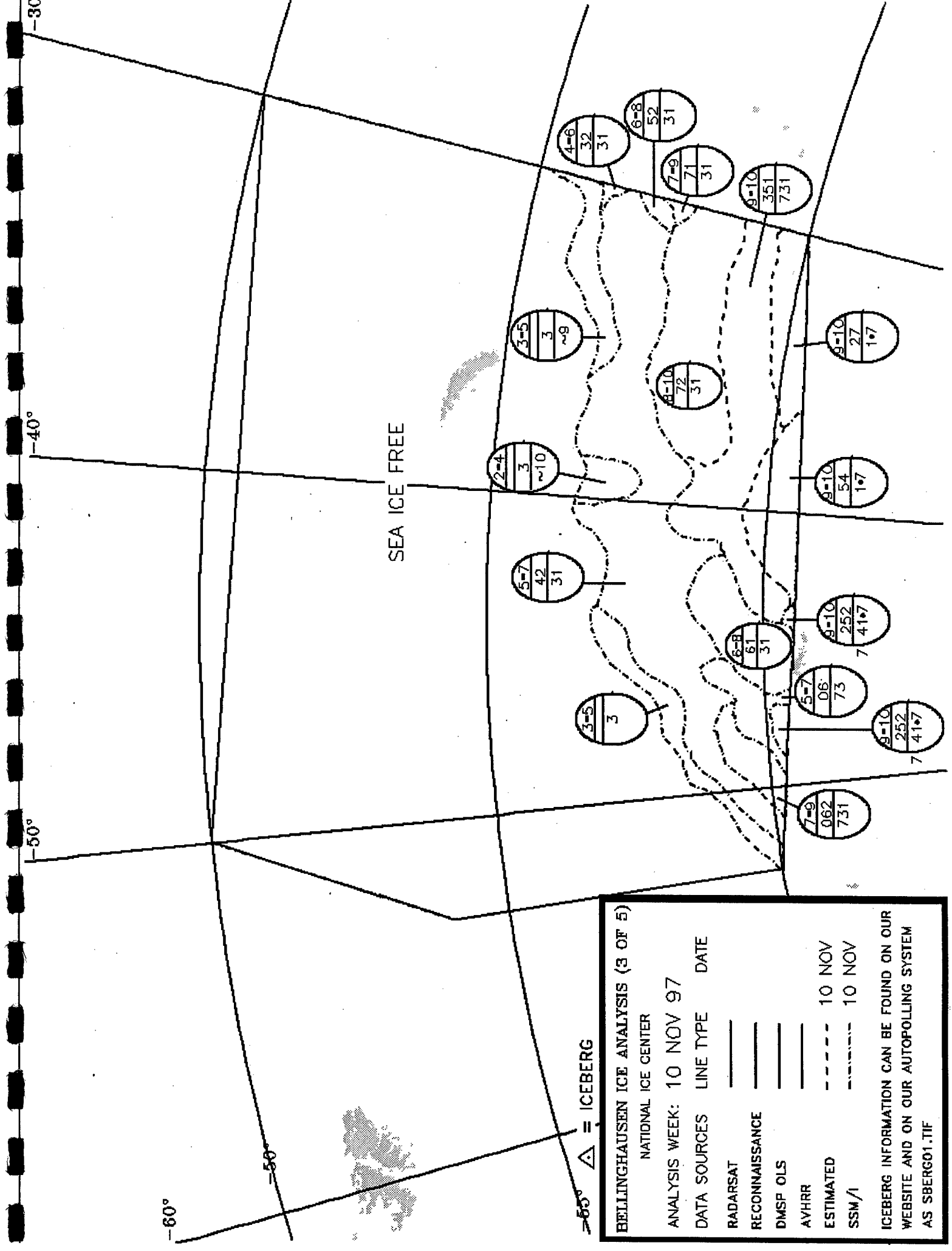
10 NOV 97

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG

SEA ICE FREE





BELLINGHAUSEN ICE ANALYSIS (3 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK: 10 NOV 97

DATA SOURCES LINE TYPE DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

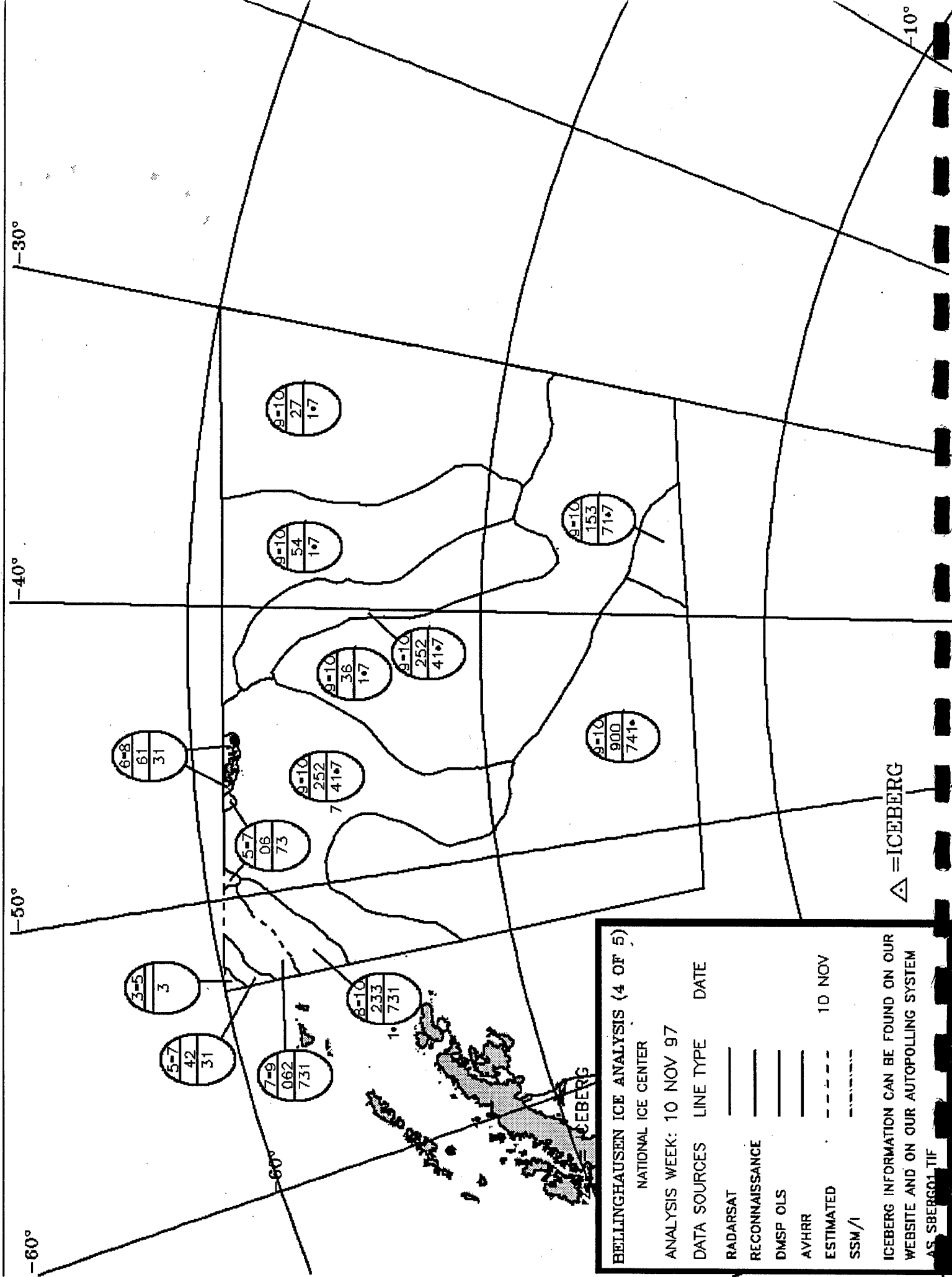
AVHRR

ESTIMATED

SSM/I

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM

AS SBORG01.TIF



BELLINGHAUSEN ICE ANALYSIS (4 OF 5)

NATIONAL ICE CENTER

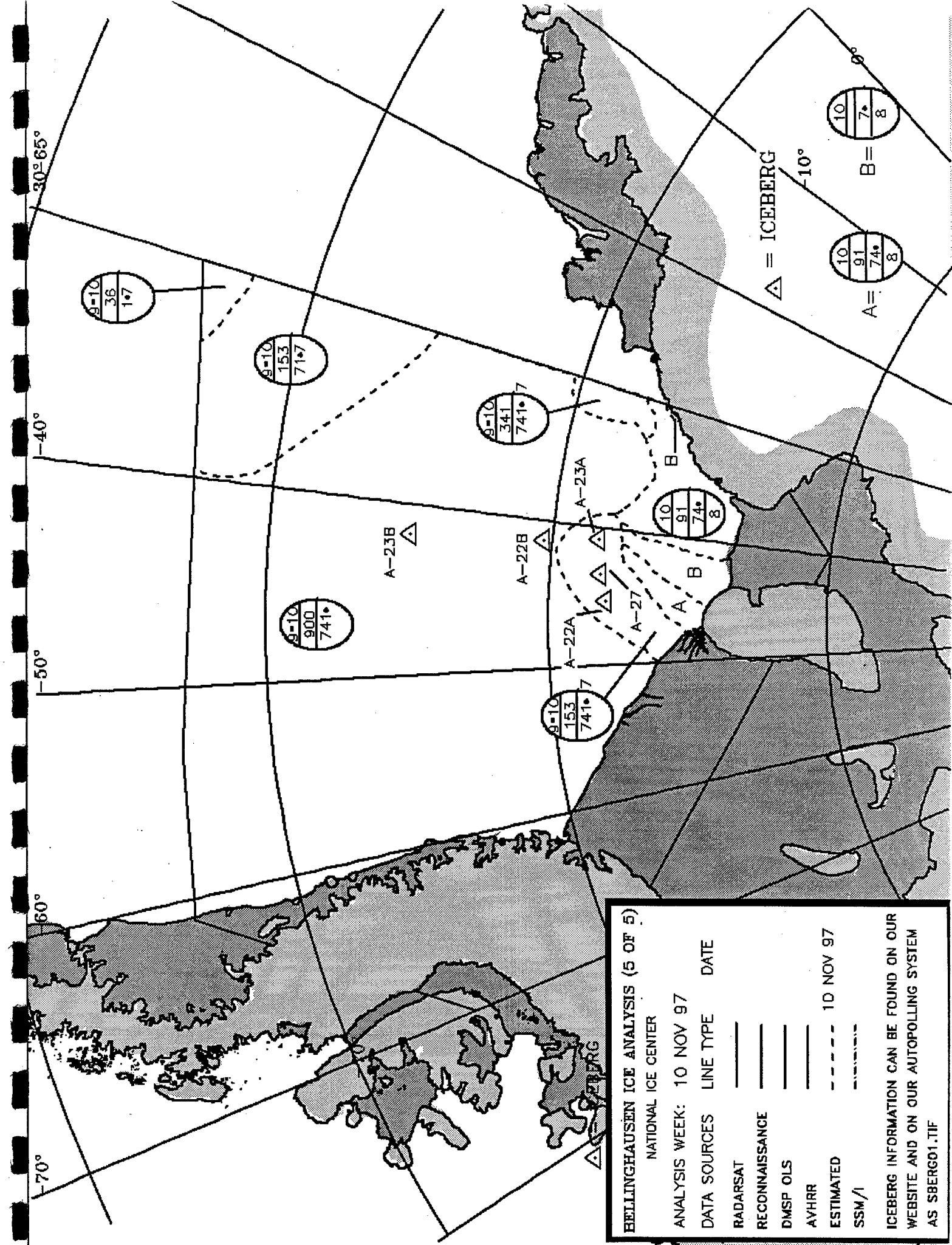
ANALYSIS WEEK: 10 NOV 97

DATA SOURCES LINE TYPE DATE

RADARSAT	---	
RECONNAISSANCE	---	
DMSP OLS	---	
AVHRR	---	
ESTIMATED	---	10 NOV
SSM/I	---	

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM

AS SBERG01.TIF



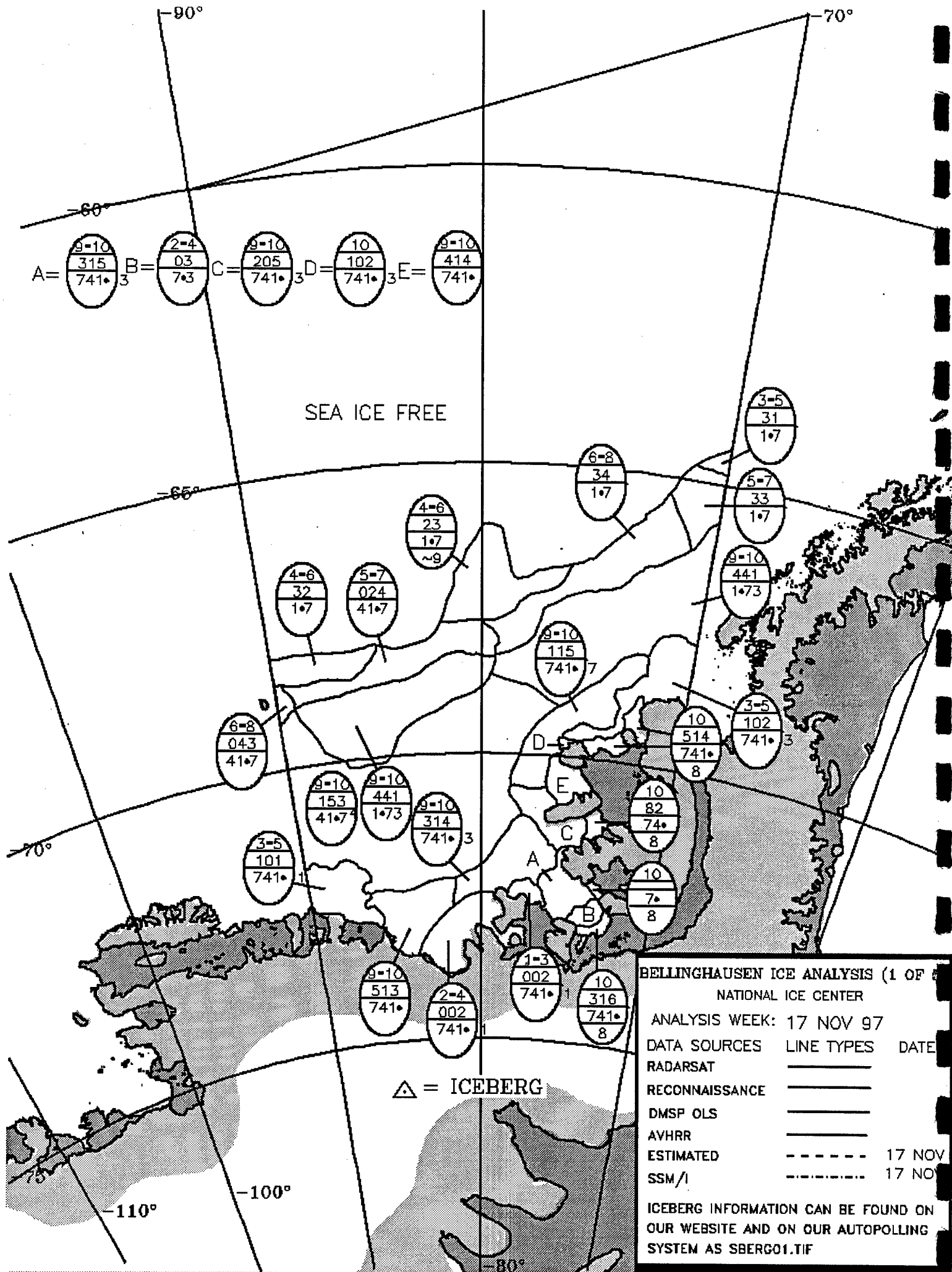
BELLINGHOUSEN ICE ANALYSIS (5 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK: 10 NOV 97

DATA SOURCES	LINE TYPE	DATE
RADARSAT	---	---
RECONNAISSANCE	---	---
DMSP OLS	---	---
AVHRR	---	---
ESTIMATED	---	10 NOV 97
SSM/I	---	---

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS SBORG01.TIF



BELLINGHAUSEN ICE ANALYSIS (2 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK: 17 NOV 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSF OLS

AVHRR

ESTIMATED

17 NOV

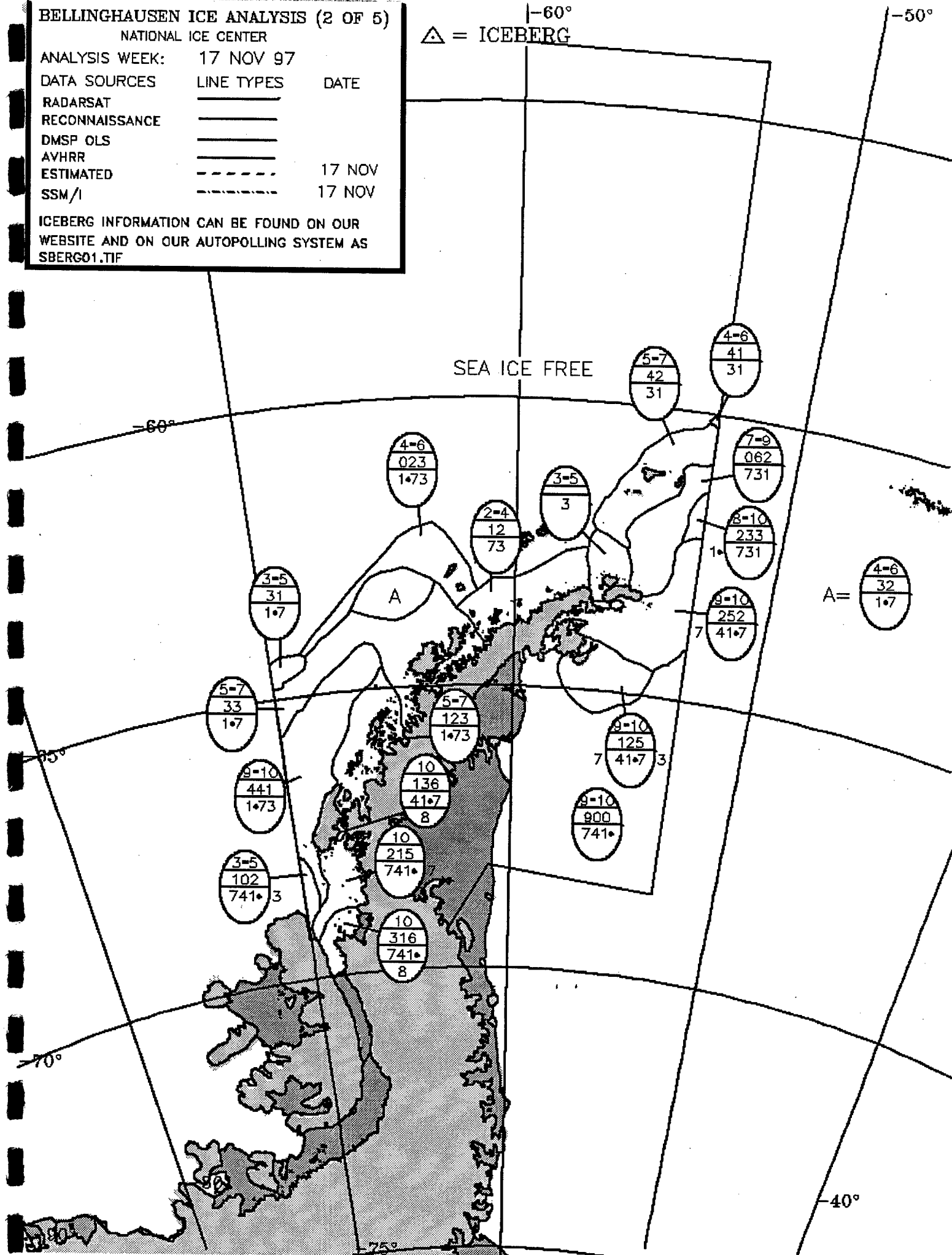
SSM/I

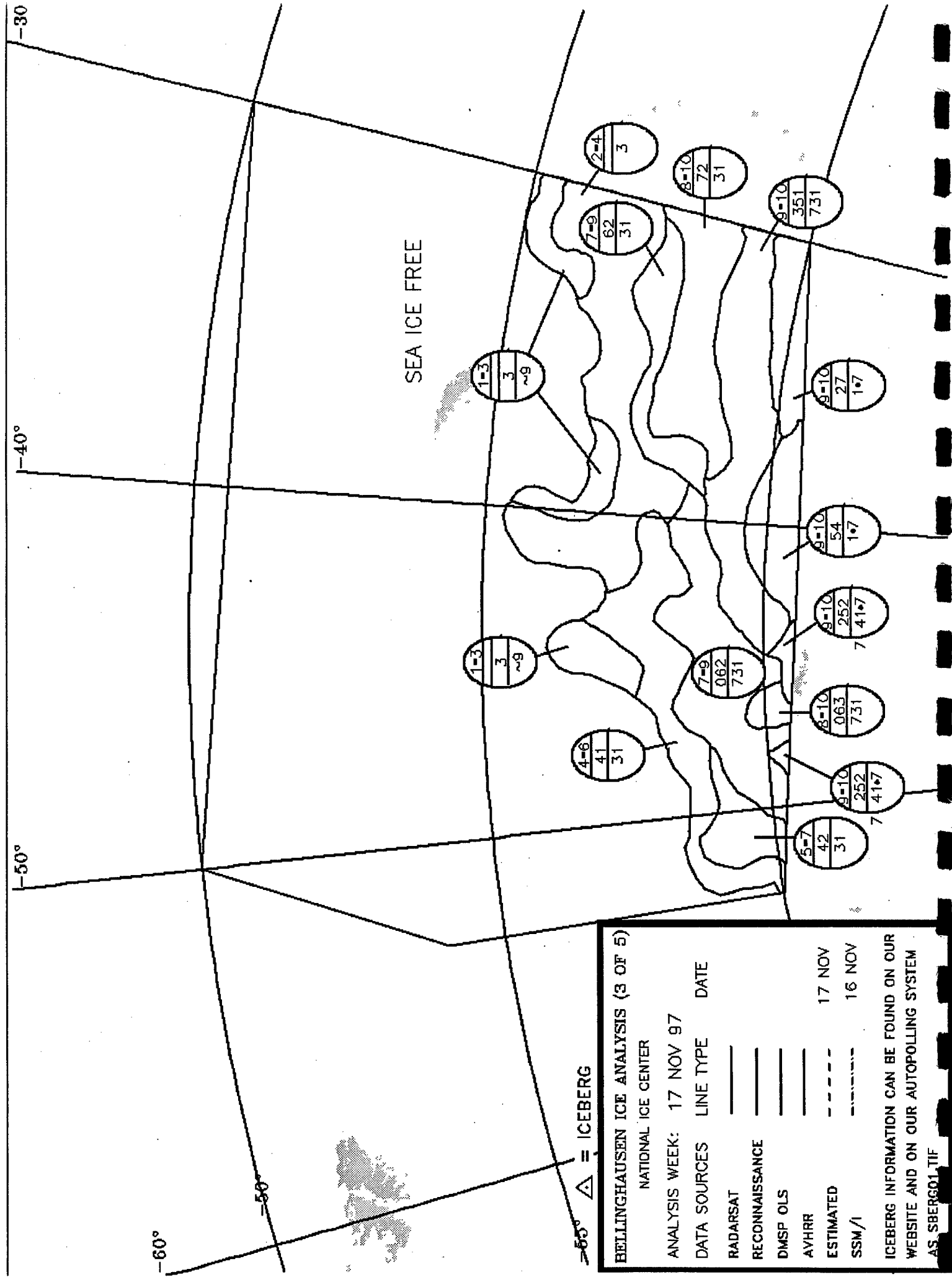
17 NOV

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG

SEA ICE FREE

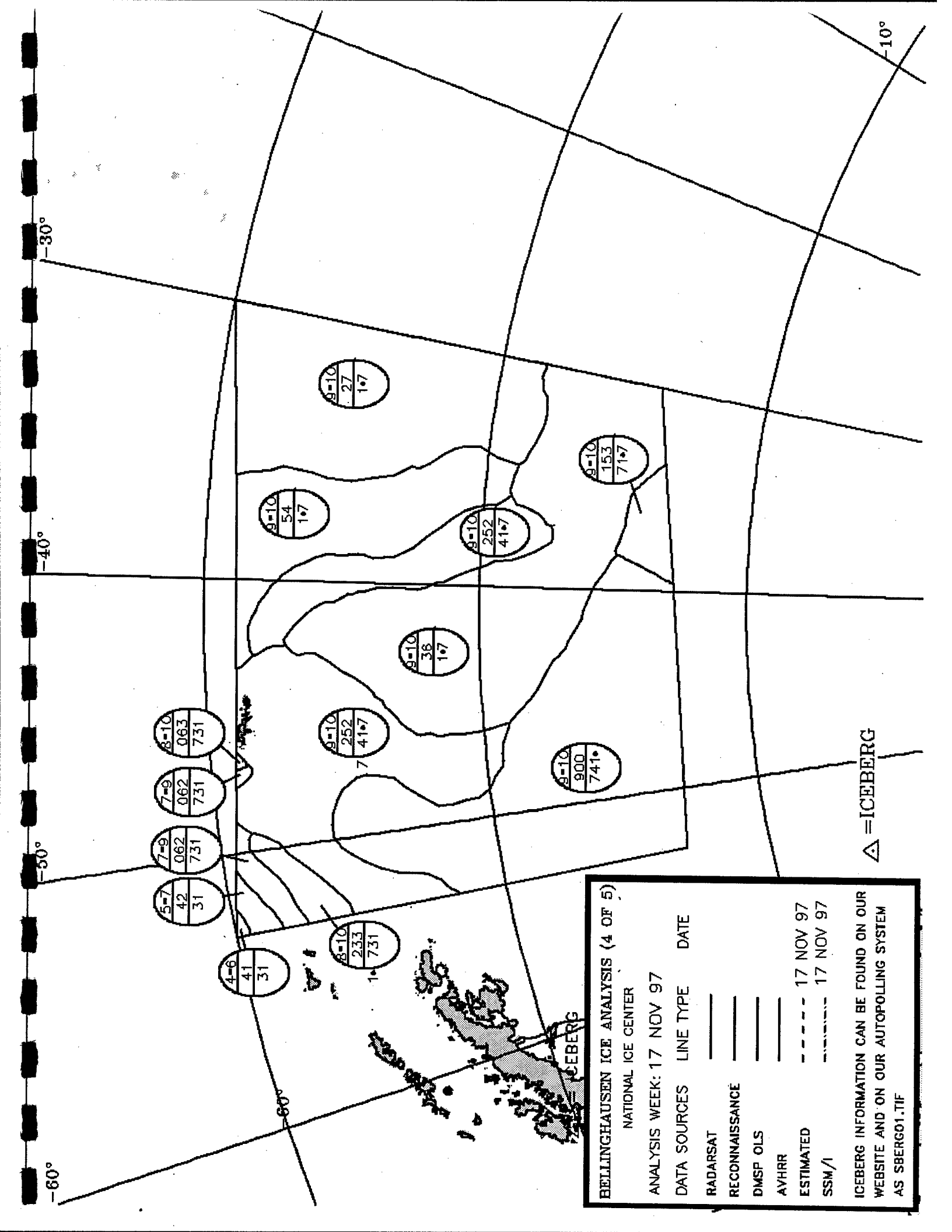


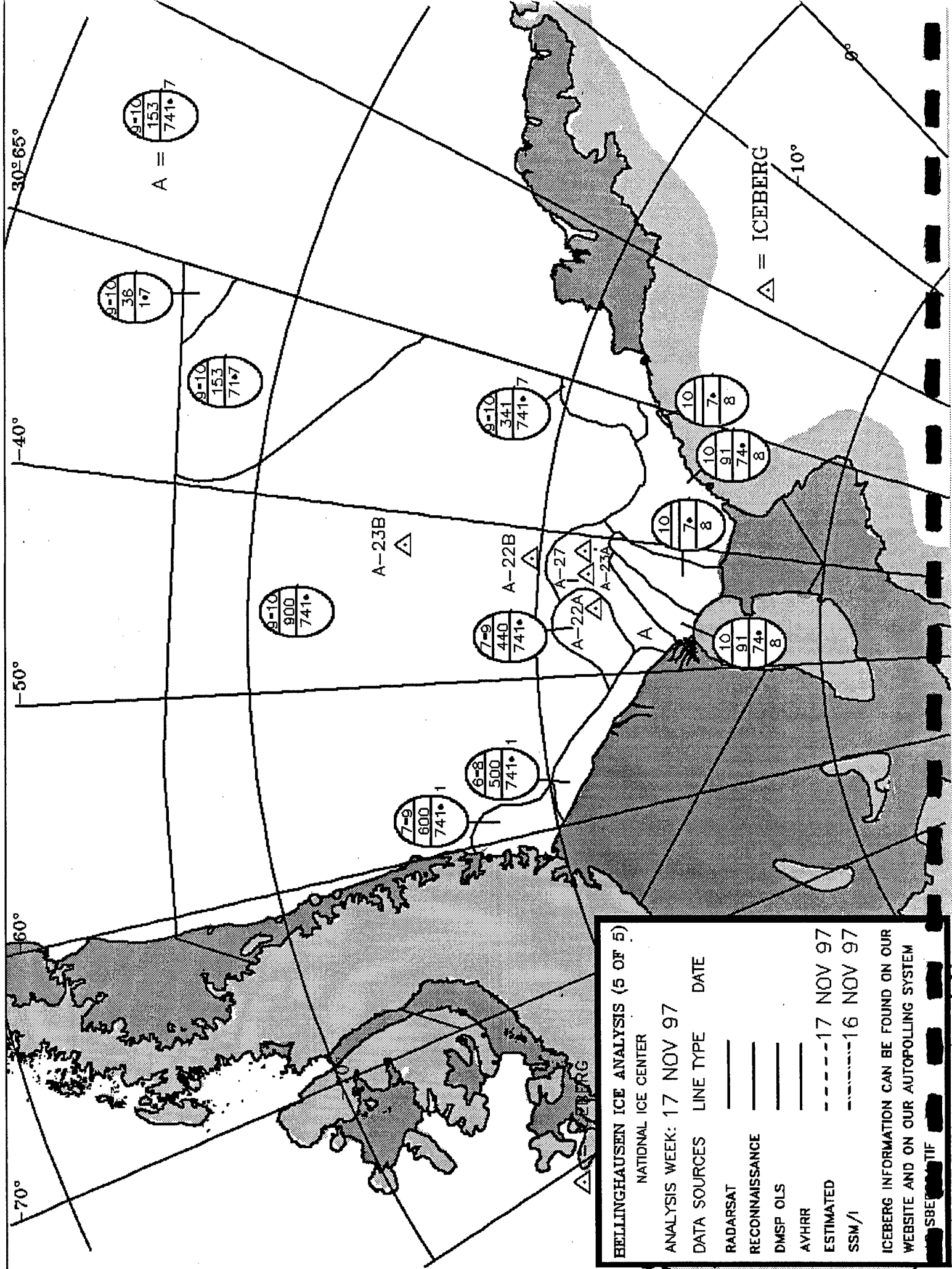


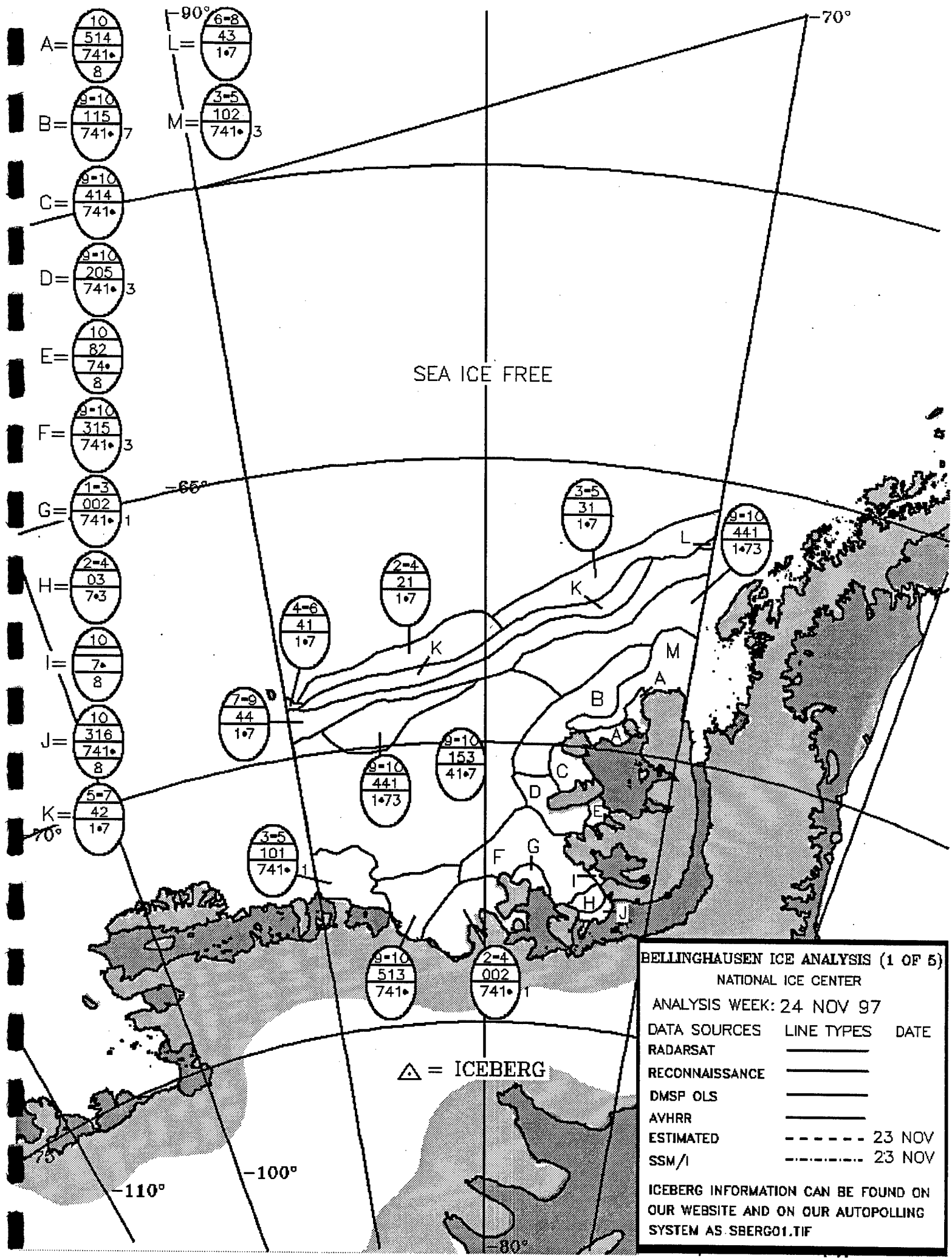
BELLINGHAUSEN ICE ANALYSIS (3 OF 5)			
NATIONAL ICE CENTER			
ANALYSIS WEEK:	17 NOV 97	DATE	
DATA SOURCES	LINE TYPE	DATE	
RADARSAT	---		
RECONNAISSANCE	---		
DMSP OLS	---		
AVHRR	---		
ESTIMATED	---	17 NOV	
SSM/I	---	16 NOV	

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM

AS_SBERG01.TIF







A = $\frac{10}{514}$
 $\frac{741 \cdot}{8}$

L = $\frac{6-8}{43}$
 $\frac{1 \cdot 7}{1 \cdot 7}$

B = $\frac{9-10}{115}$
 $\frac{741 \cdot}{7}$

M = $\frac{3-5}{102}$
 $\frac{741 \cdot}{3}$

C = $\frac{9-10}{414}$
 $\frac{741 \cdot}{1}$

D = $\frac{9-10}{205}$
 $\frac{741 \cdot}{3}$

E = $\frac{10}{82}$
 $\frac{74 \cdot}{8}$

F = $\frac{9-10}{315}$
 $\frac{741 \cdot}{3}$

G = $\frac{1-3}{002}$
 $\frac{741 \cdot}{1}$

H = $\frac{2-4}{03}$
 $\frac{7 \cdot 3}{7 \cdot 3}$

I = $\frac{10}{7 \cdot}$
 $\frac{8}{8}$

J = $\frac{10}{316}$
 $\frac{741 \cdot}{8}$

K = $\frac{5-7}{42}$
 $\frac{1 \cdot 7}{1 \cdot 7}$

$\frac{4-6}{41}$
 $\frac{1 \cdot 7}{1 \cdot 7}$

$\frac{2-4}{21}$
 $\frac{1 \cdot 7}{1 \cdot 7}$

$\frac{3-5}{31}$
 $\frac{1 \cdot 7}{1 \cdot 7}$

$\frac{9-10}{441}$
 $\frac{1 \cdot 73}{1 \cdot 73}$

$\frac{7-9}{44}$
 $\frac{1 \cdot 7}{1 \cdot 7}$

$\frac{9-10}{441}$
 $\frac{1 \cdot 73}{1 \cdot 73}$

$\frac{9-10}{153}$
 $\frac{41 \cdot 7}{41 \cdot 7}$

$\frac{3-5}{101}$
 $\frac{741 \cdot}{1}$

$\frac{9-10}{513}$
 $\frac{741 \cdot}{1}$

$\frac{2-4}{002}$
 $\frac{741 \cdot}{1}$

BELLINGHAUSEN ICE ANALYSIS (2 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK: 24 NOV 97

DATA SOURCES	LINE TYPES	DATE
RADARSAT	_____	
RECONNAISSANCE	_____	
DMSF OLS	_____	
AVHRR	_____	
ESTIMATED	-----	23 NOV
SSM/I	-----	23 NOV

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF

△ = ICEBERG

A= $\frac{1-3}{11}$
73

B= $\frac{6-8}{43}$
17

C= $\frac{7-9}{44}$
17

D= $\frac{10}{215}$
741 7

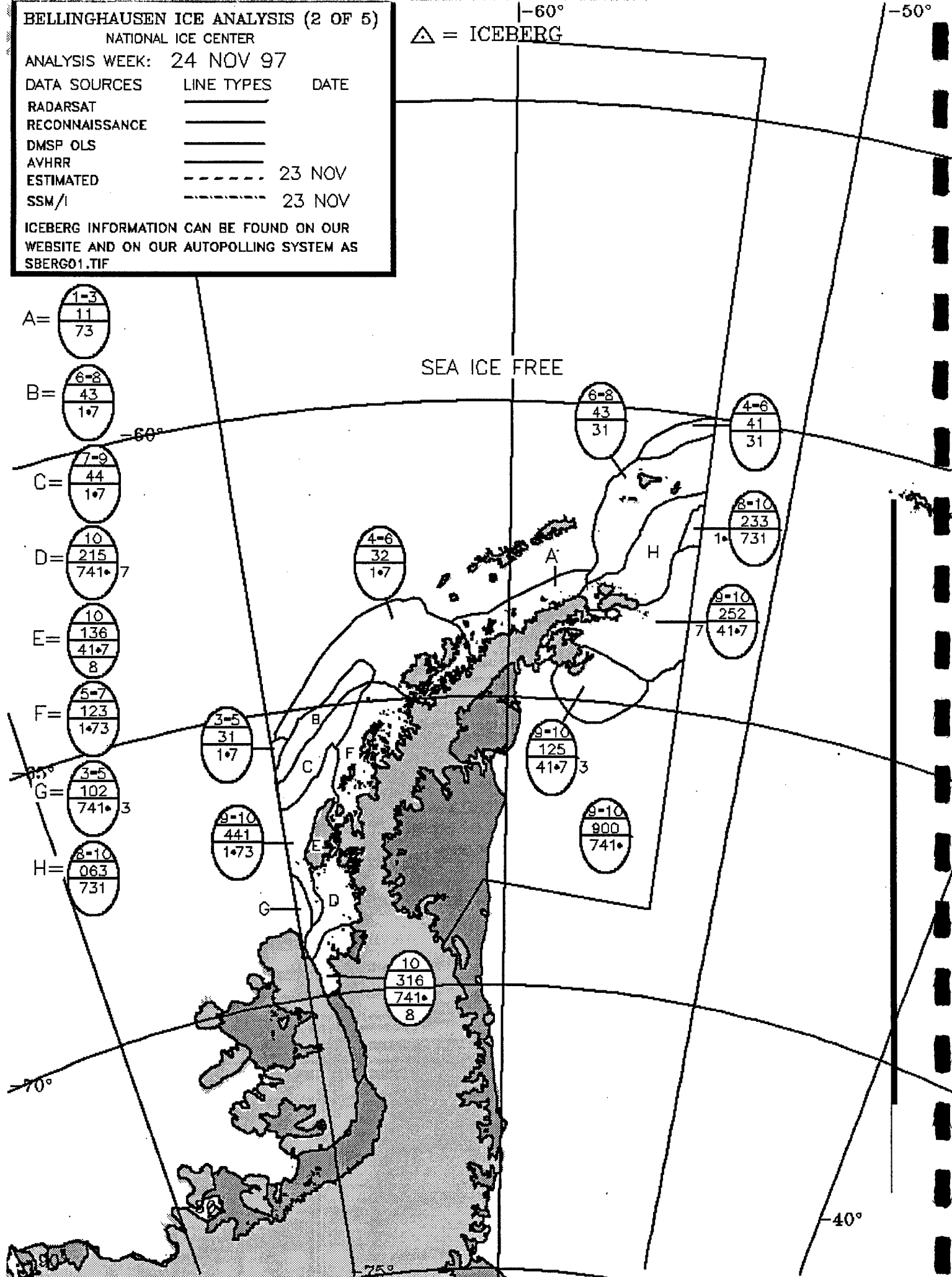
E= $\frac{10}{136}$
417 8

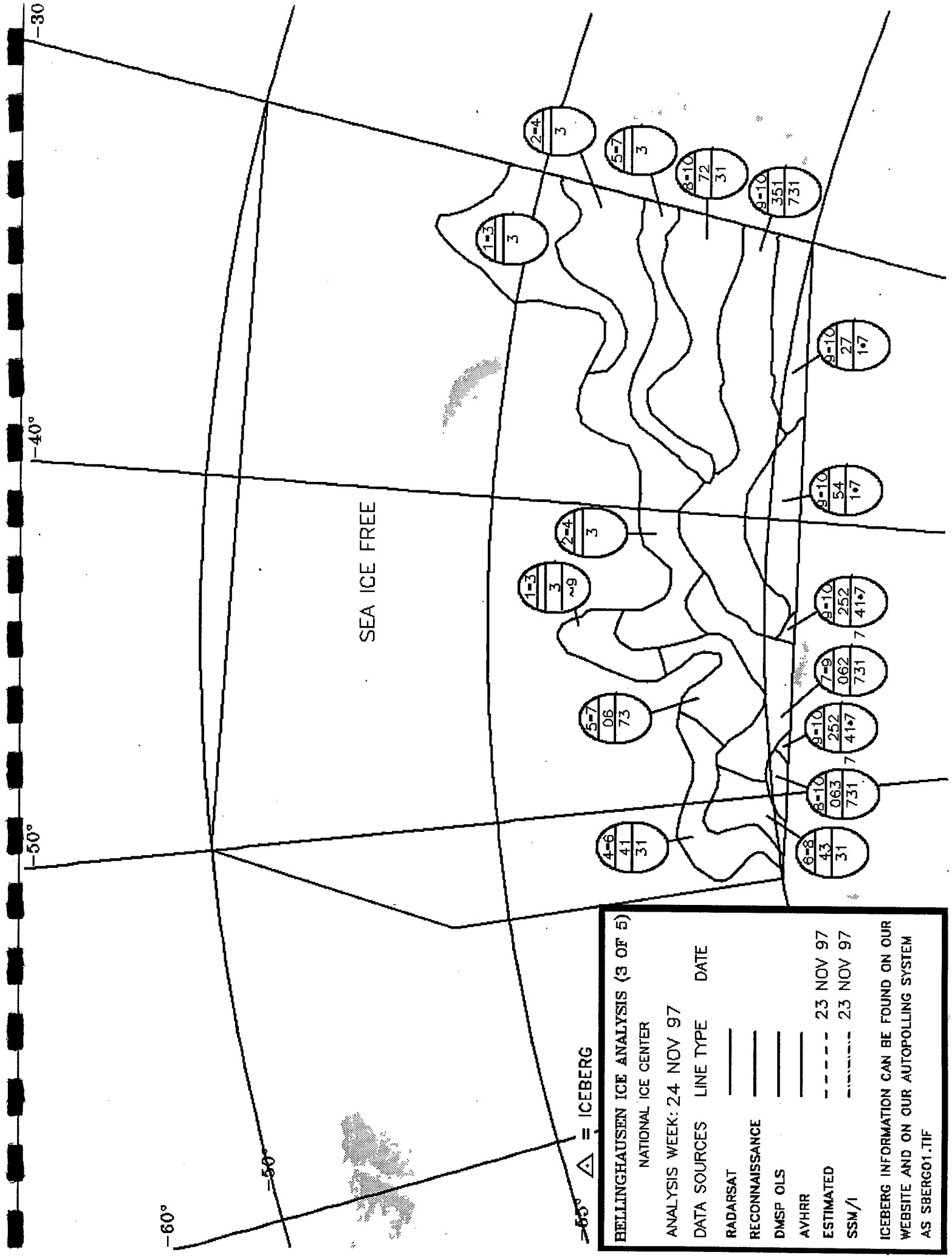
F= $\frac{5-7}{123}$
173

G= $\frac{3-5}{102}$
741 3

H= $\frac{8-10}{063}$
731

SEA ICE FREE

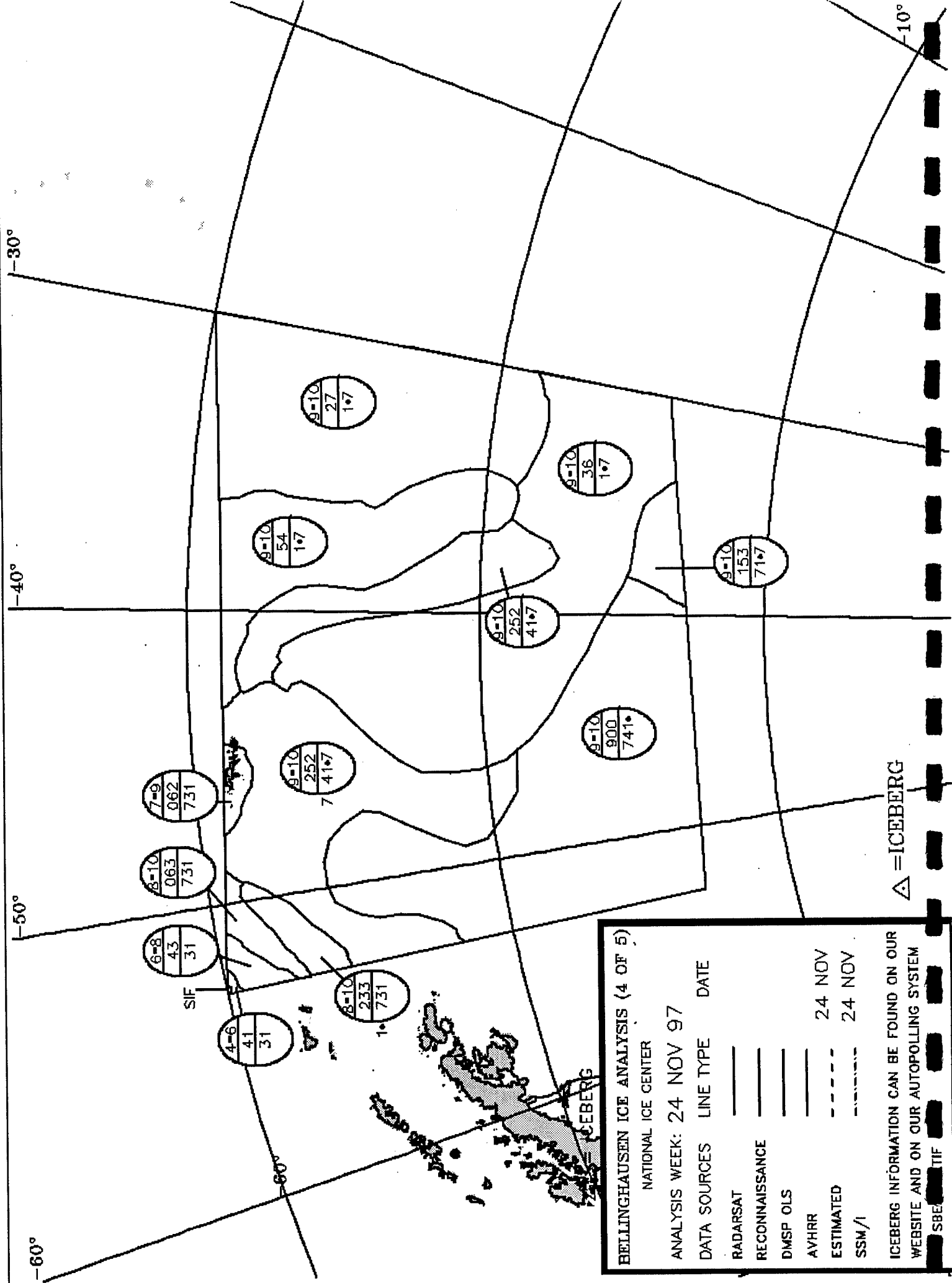




BELLINGHAUSEN ICE ANALYSIS (3 OF 5)

NATIONAL ICE CENTER			
ANALYSIS WEEK: 24 NOV 97			
DATA SOURCES	LINE TYPE	DATE	
RADARSAT	---		
RECONNAISSANCE	---		
DMSP OLS	---		
AVHRR	---		
ESTIMATED	---	23 NOV 97	
SSM/I	---	23 NOV 97	

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF



BELLINGHAUSEN ICE ANALYSIS (4 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK: 24 NOV 97

DATA SOURCES LINE TYPE DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

AVHRR

ESTIMATED

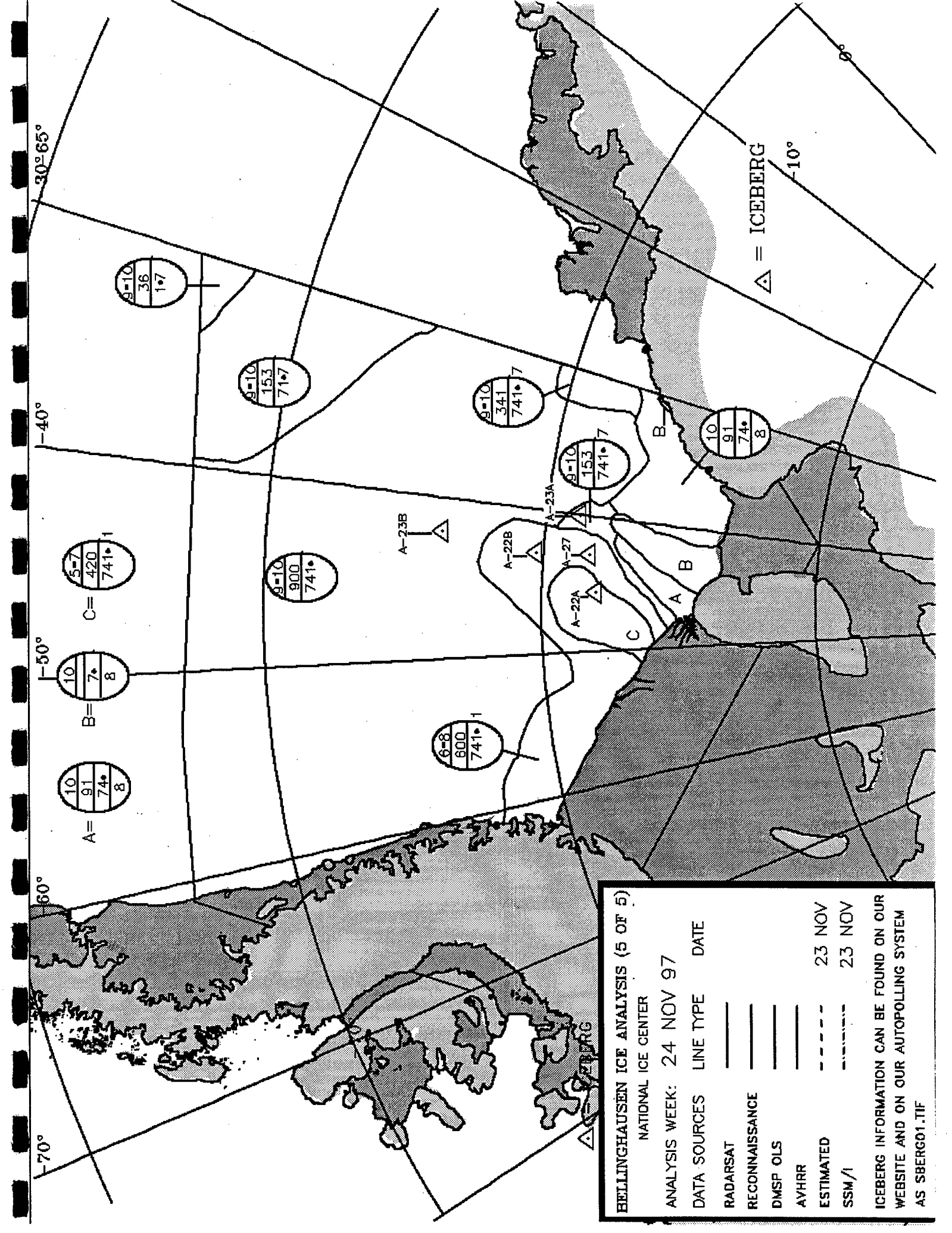
SSM/I

24 NOV

24 NOV

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM

SBE TIF



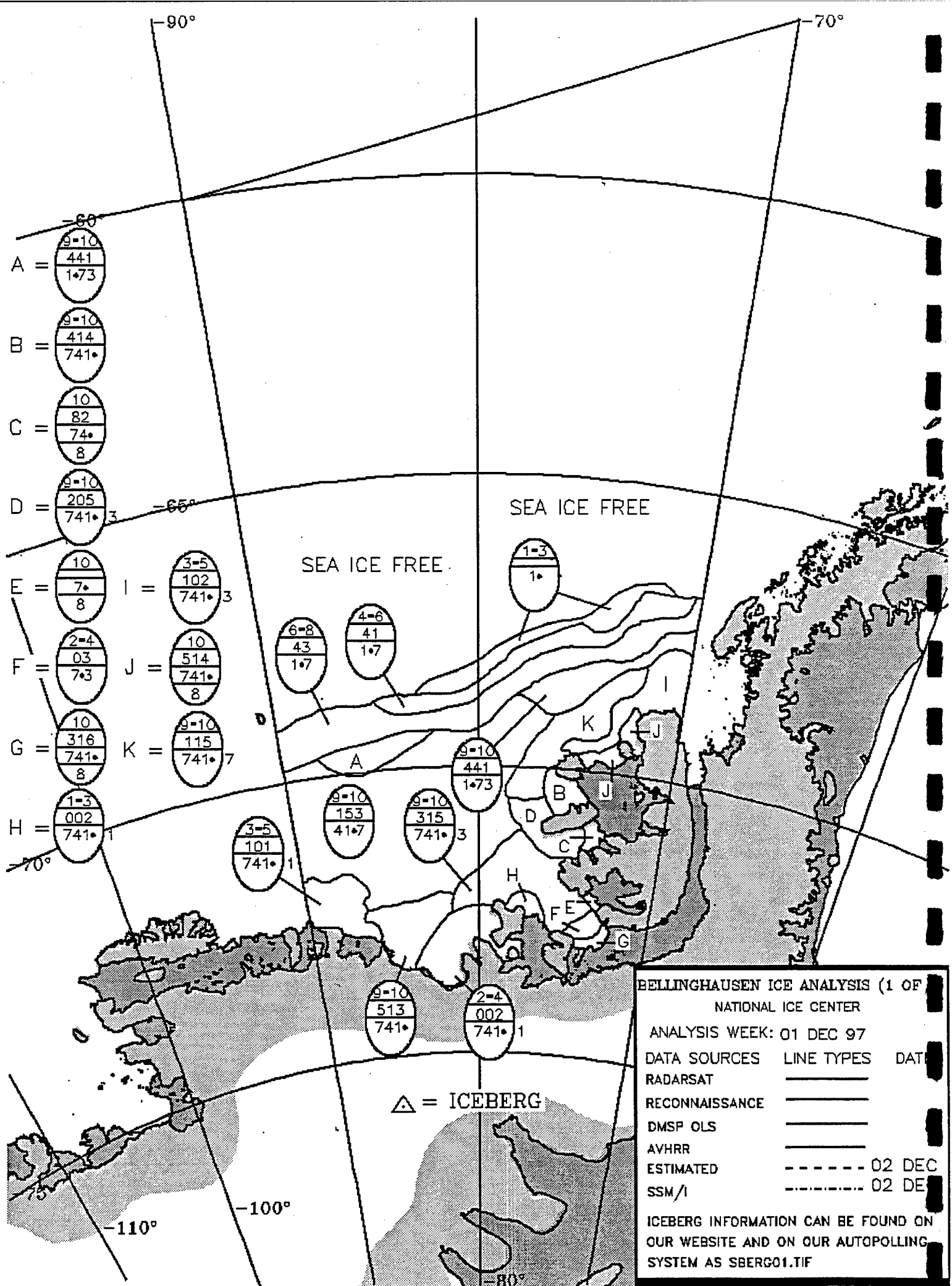
BELLINGHAUSEN ICE ANALYSIS (5 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK: 24 NOV 97

DATA SOURCES	LINE TYPE	DATE
RADARSAT	---	
RECONNAISSANCE	---	
DMSP OLS	---	
AVHRR	---	
ESTIMATED	---	23 NOV
SSM/I	---	23 NOV

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF



BELLINGHAUSEN ICE ANALYSIS (2 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK: 01 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

AVHRR

ESTIMATED

SSM/I

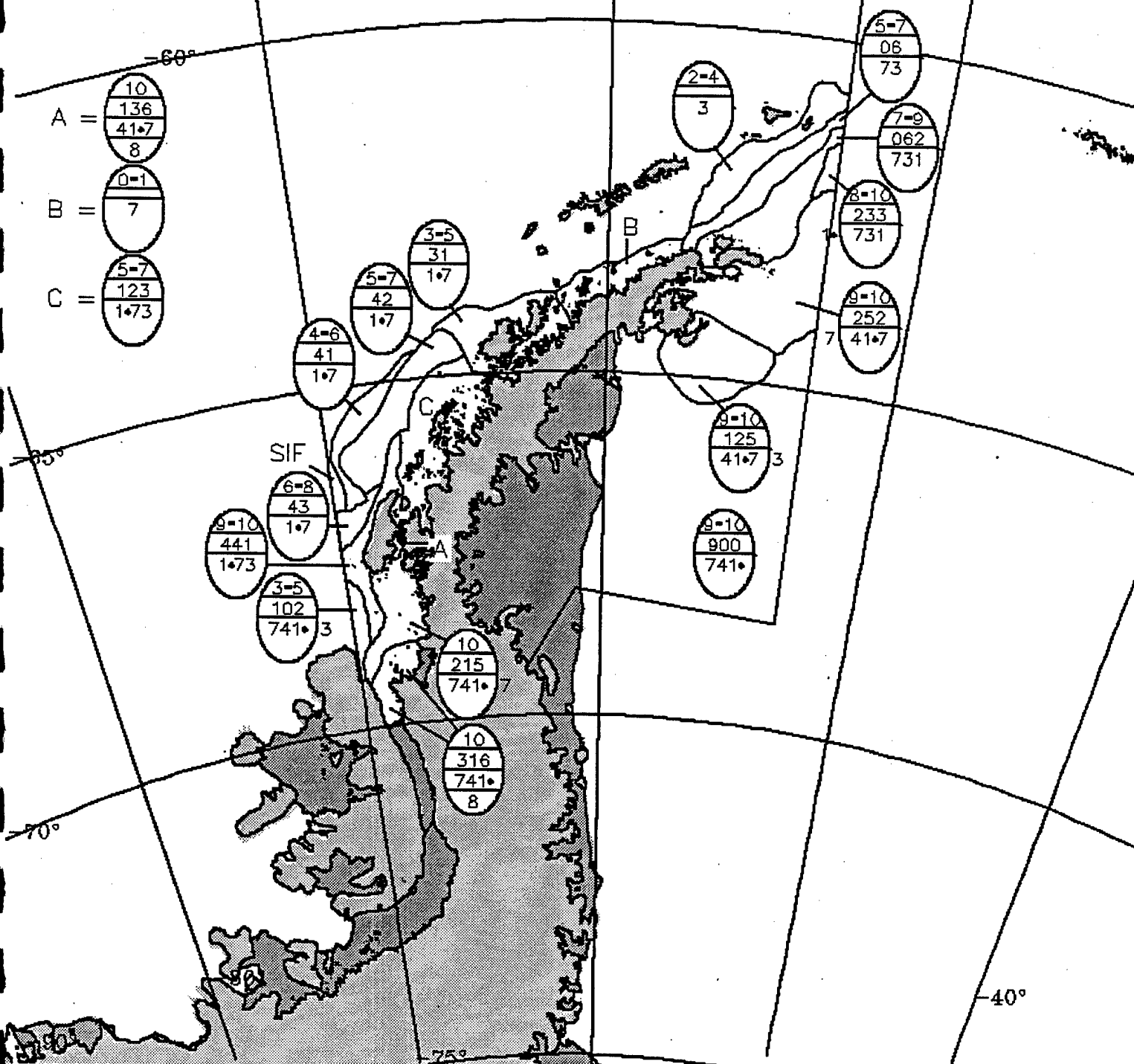
----- 02 DEC 97

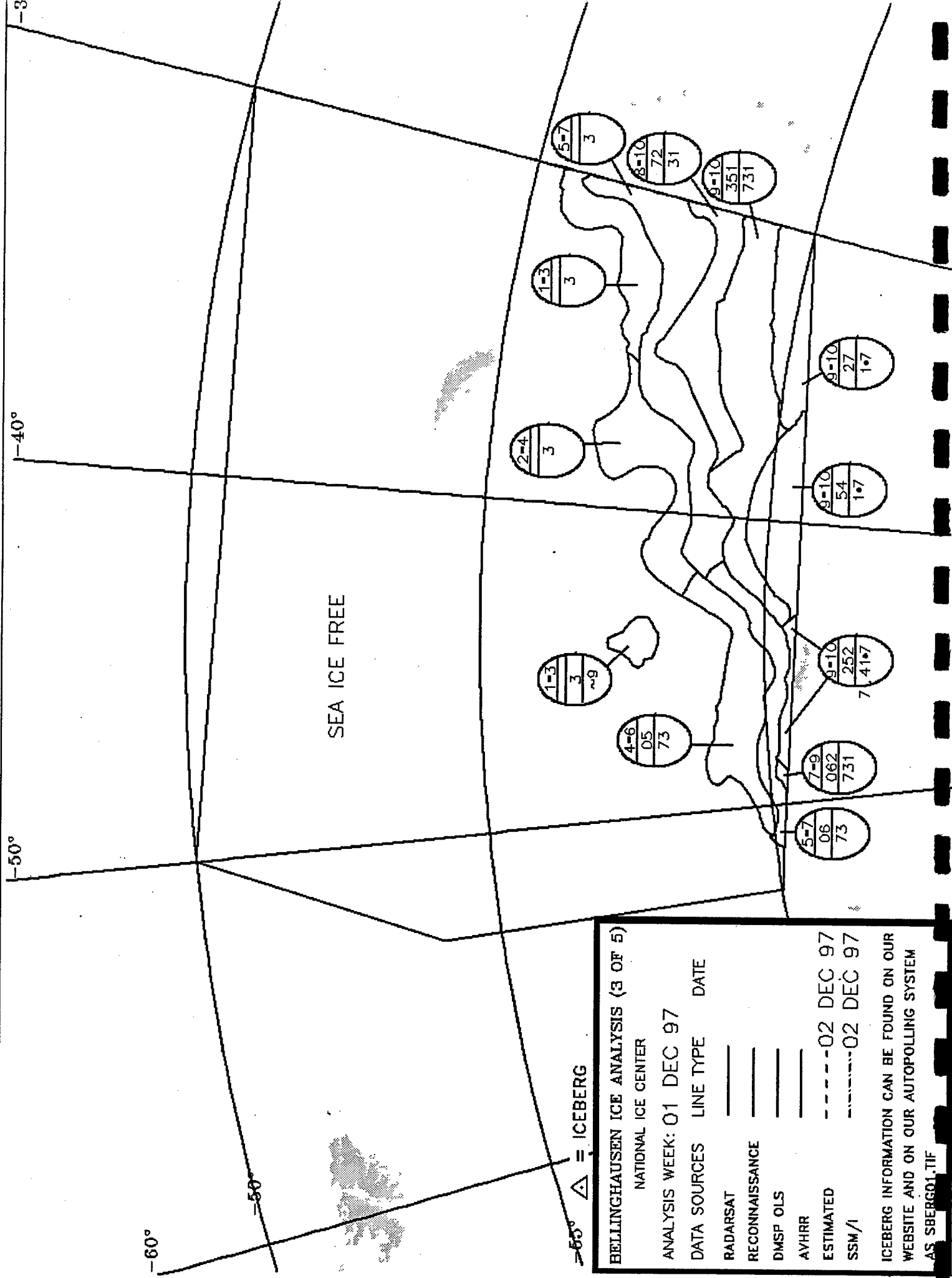
----- 02 DEC 97

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG

SEA ICE FREE





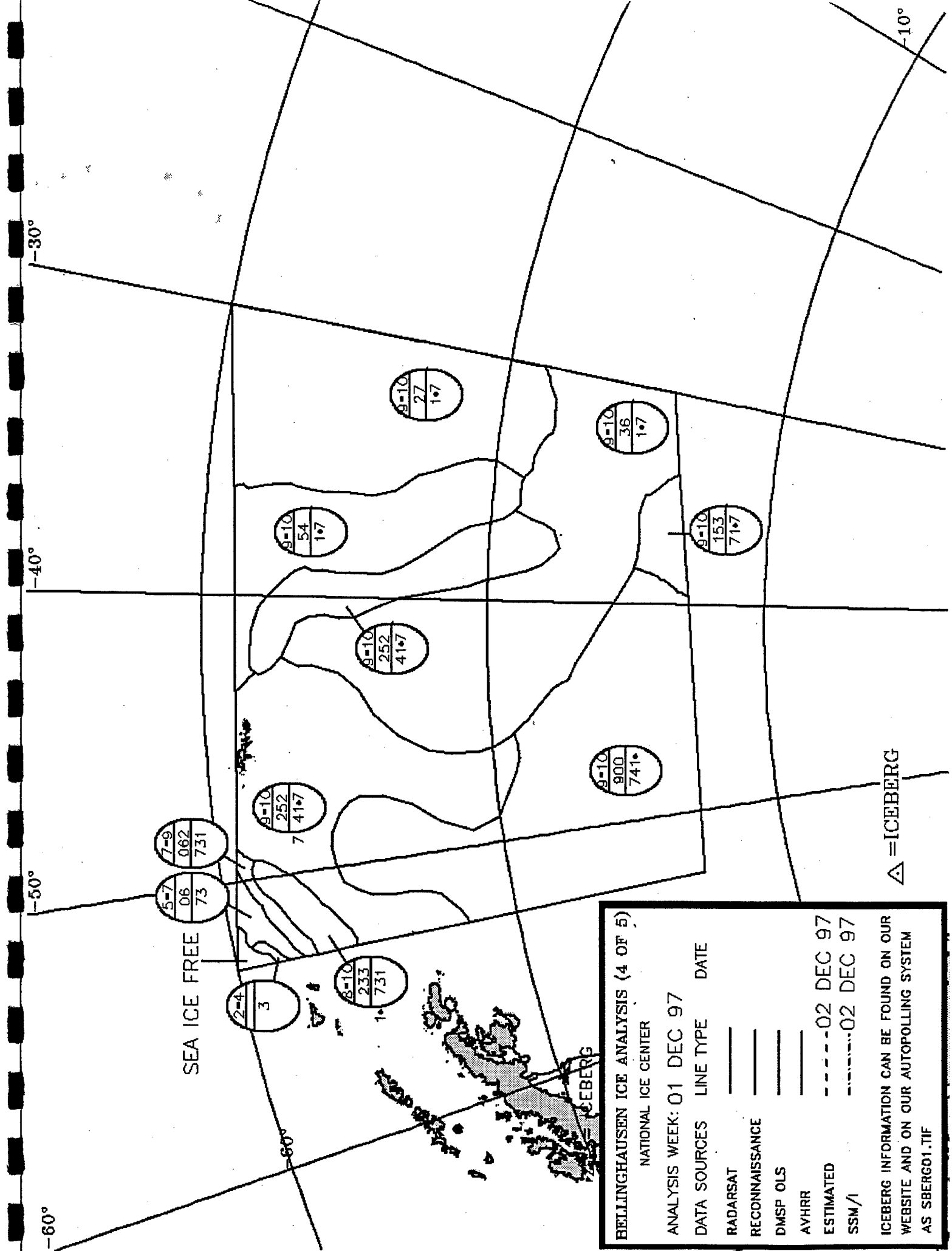
BELLINGHAUSEN ICE ANALYSIS (3 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK: 01 DEC 97

DATA SOURCES	LINE TYPE	DATE
RADARSAT	---	---
RECONNAISSANCE	---	---
DMSF OLS	---	---
AVHRR	---	---
ESTIMATED	---	02 DEC 97
SSM/I	---	02 DEC 97

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF



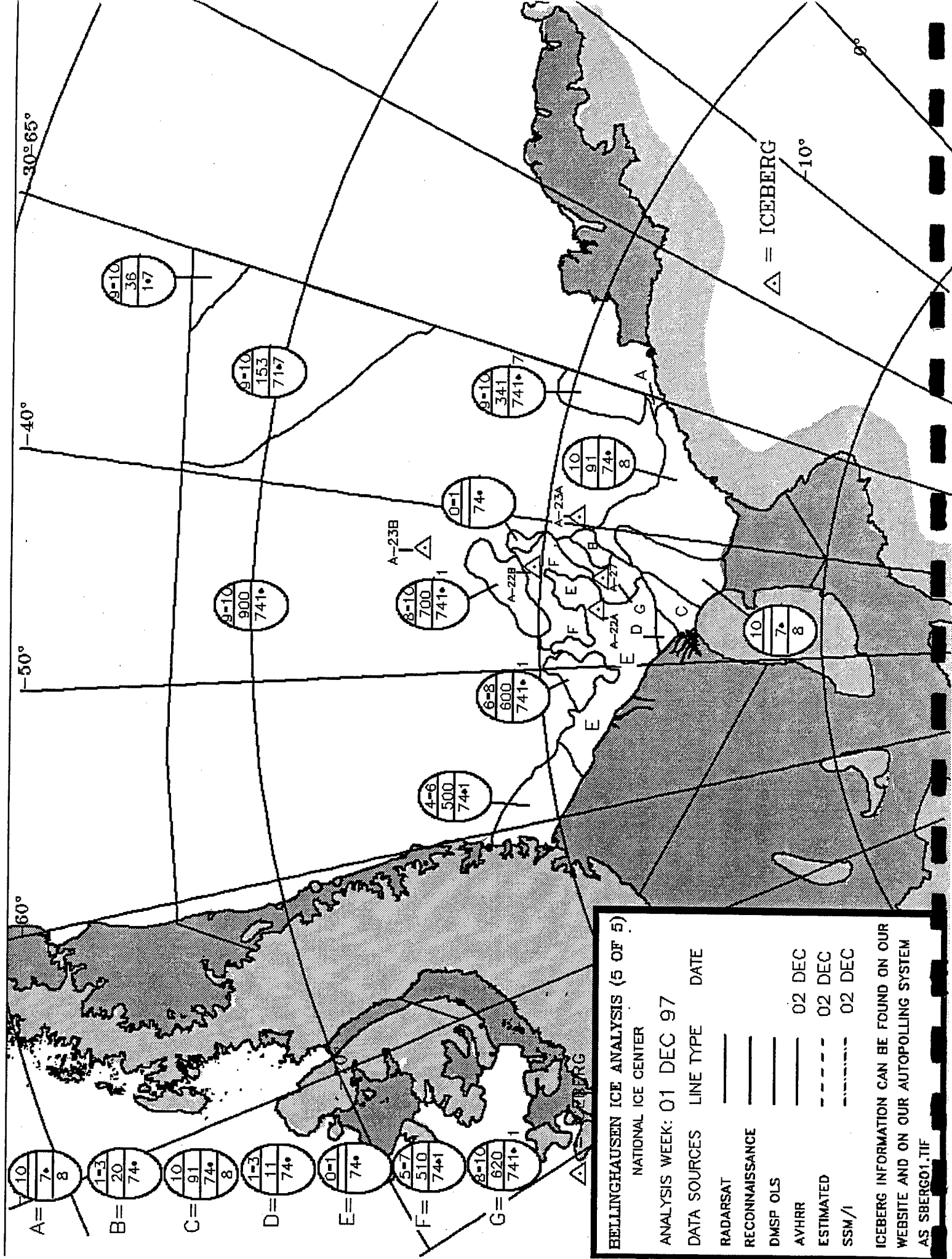
BELLINGHAUSEN ICE ANALYSIS (4 OF 5)

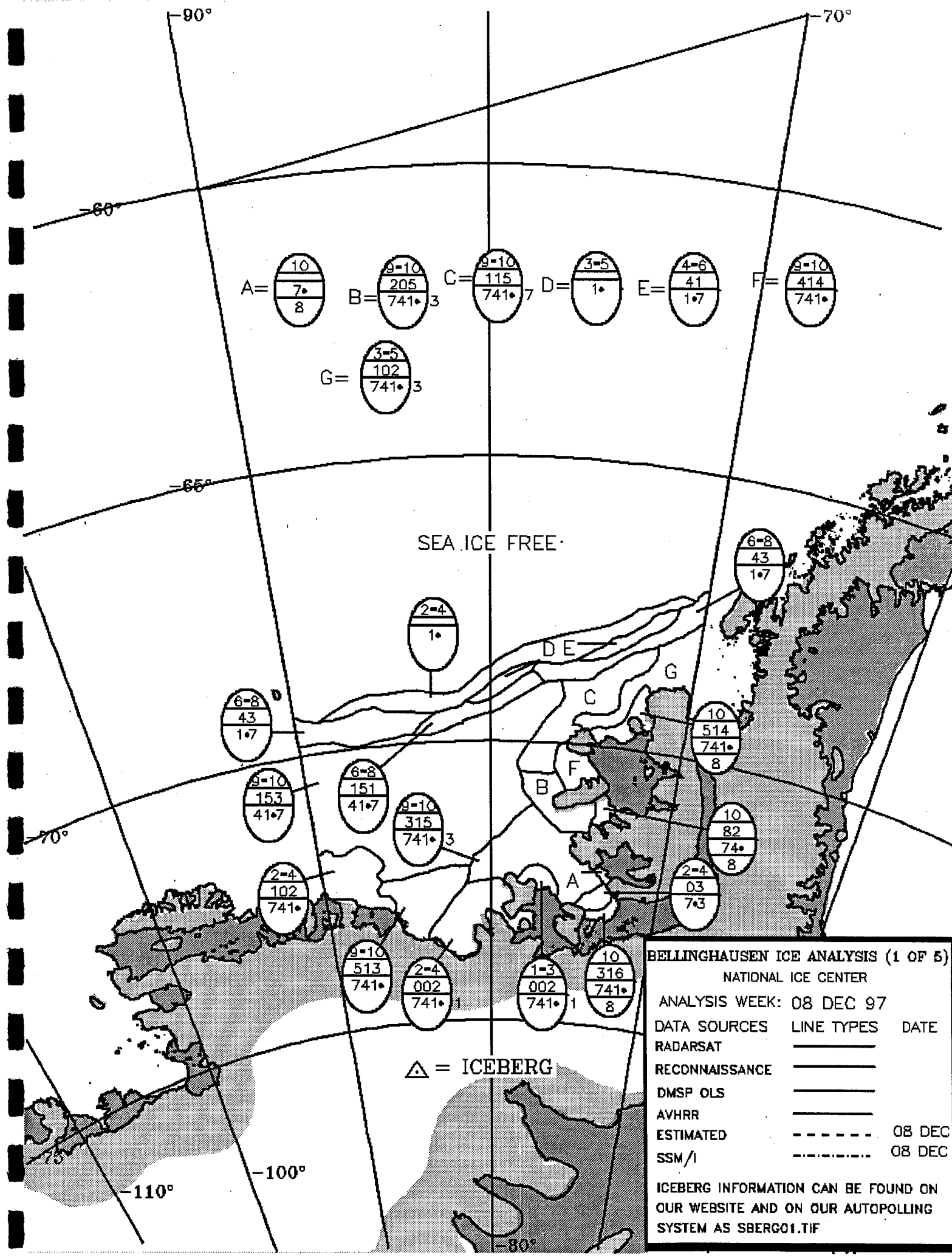
NATIONAL ICE CENTER

ANALYSIS WEEK: 01 DEC 97

DATA SOURCES	LINE TYPE	DATE
RADARSAT	---	
RECONNAISSANCE	---	
DMSP OLS	---	
AVHRR	---	
ESTIMATED	---	02 DEC 97
SSM/I	---	02 DEC 97

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF





A = $\frac{10}{7 \cdot 8}$ B = $\frac{9-10}{205 \cdot 741 \cdot 3}$ C = $\frac{9-10}{115 \cdot 741 \cdot 7}$ D = $\frac{3-5}{1 \cdot}$ E = $\frac{4-6}{41 \cdot 1 \cdot 7}$ F = $\frac{9-10}{414 \cdot 741 \cdot}$
 G = $\frac{3-5}{102 \cdot 741 \cdot 3}$

BELLINGHAUSEN ICE ANALYSIS (1 OF 5)
 NATIONAL ICE CENTER

ANALYSIS WEEK: 08 DEC 97

DATA SOURCES	LINE TYPES	DATE
RADARSAT	_____	
RECONNAISSANCE	_____	
DMSP OLS	_____	
AVHRR	_____	
ESTIMATED	-----	08 DEC
SSM/I	-----	08 DEC

ICEBERG INFORMATION CAN BE FOUND ON
 OUR WEBSITE AND ON OUR AUTOPOLLING
 SYSTEM AS SBERG01.TIF

BELLINGHAUSEN ICE ANALYSIS (2 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK: 08 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

AVHRR

ESTIMATED

08 DEC

SSM/I

08 DEC

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

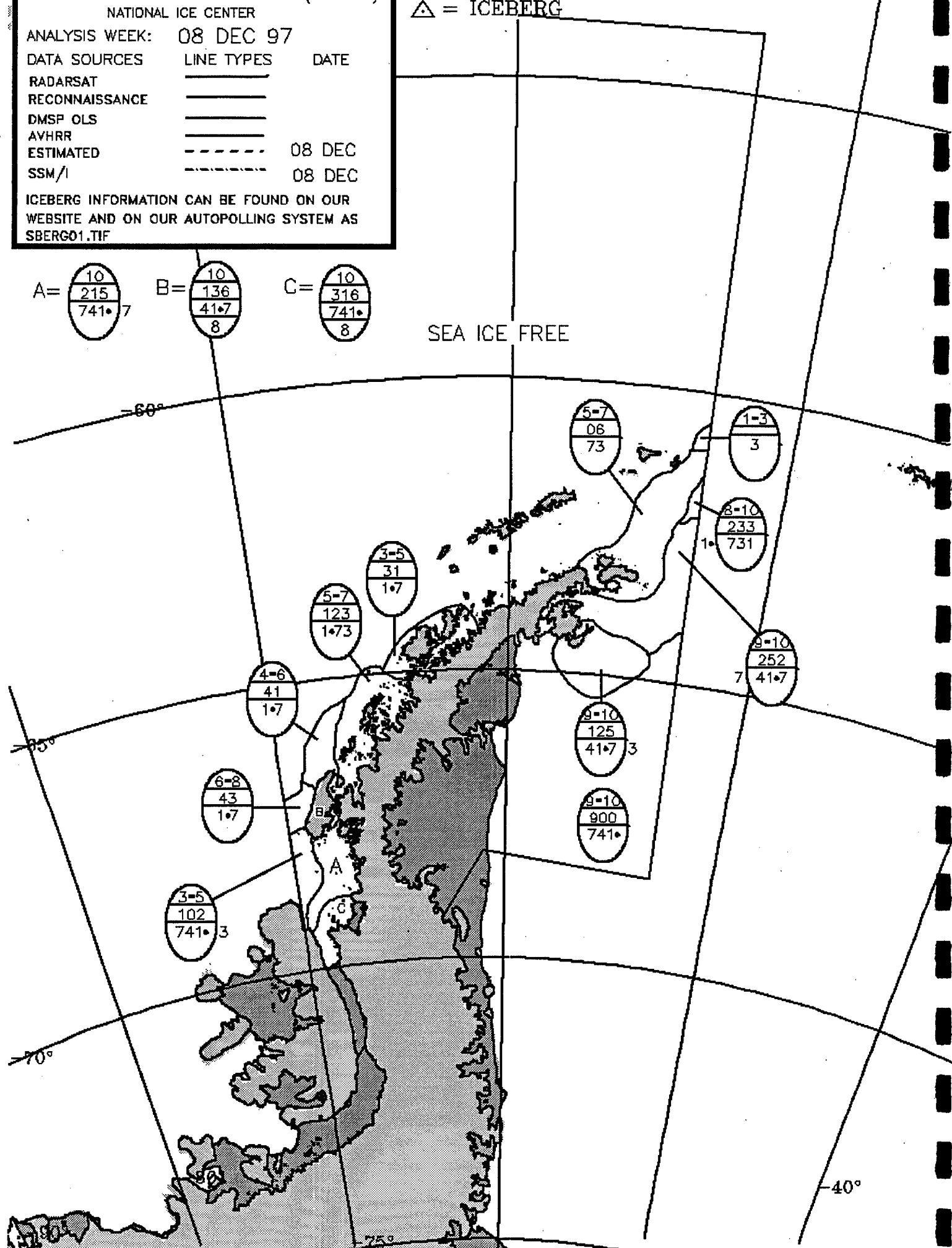
△ = ICEBERG

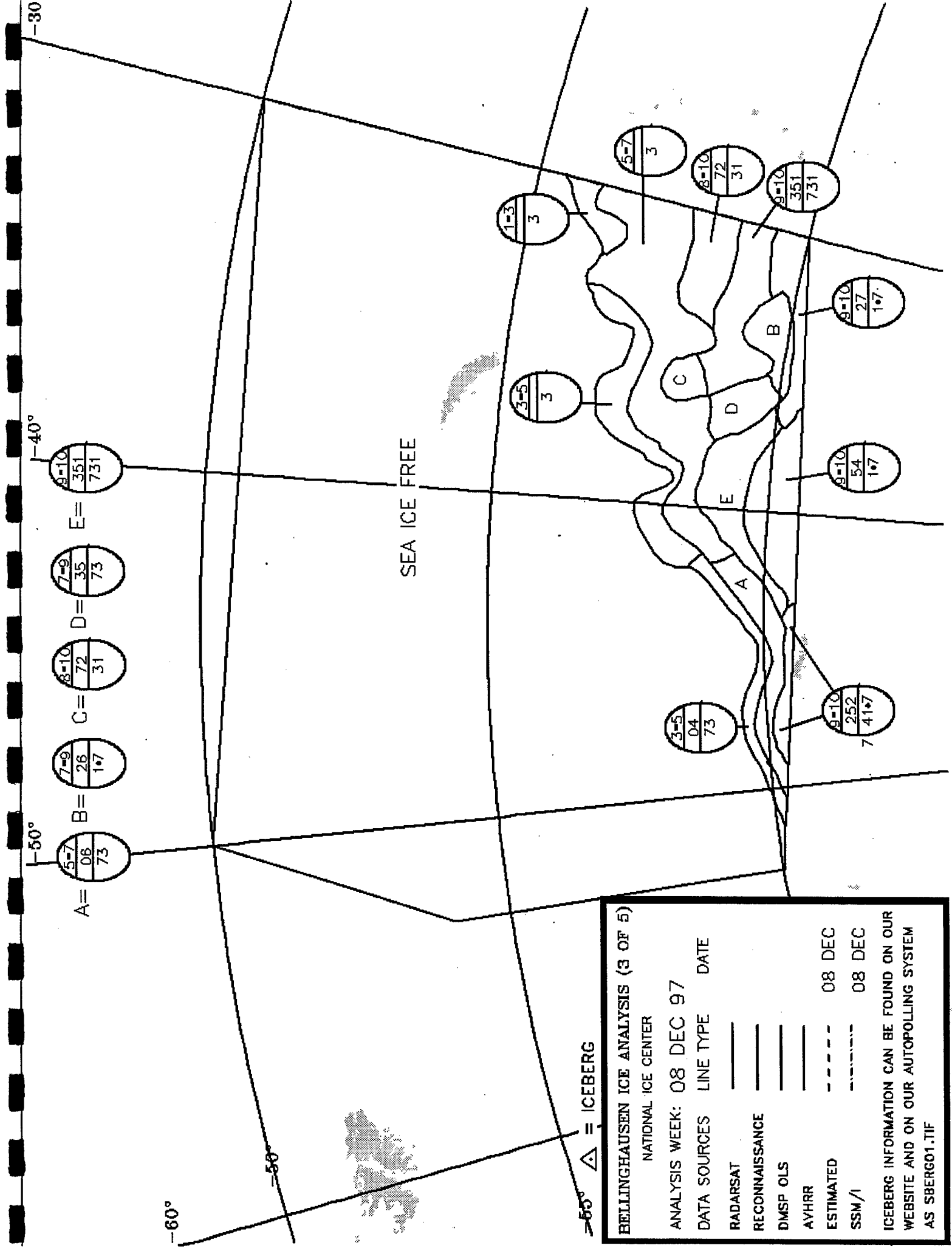
A = $\frac{10}{215}$
 $\frac{741}{7}$

B = $\frac{10}{136}$
 $\frac{41}{7}$
8

C = $\frac{10}{316}$
 $\frac{741}{8}$

SEA ICE FREE





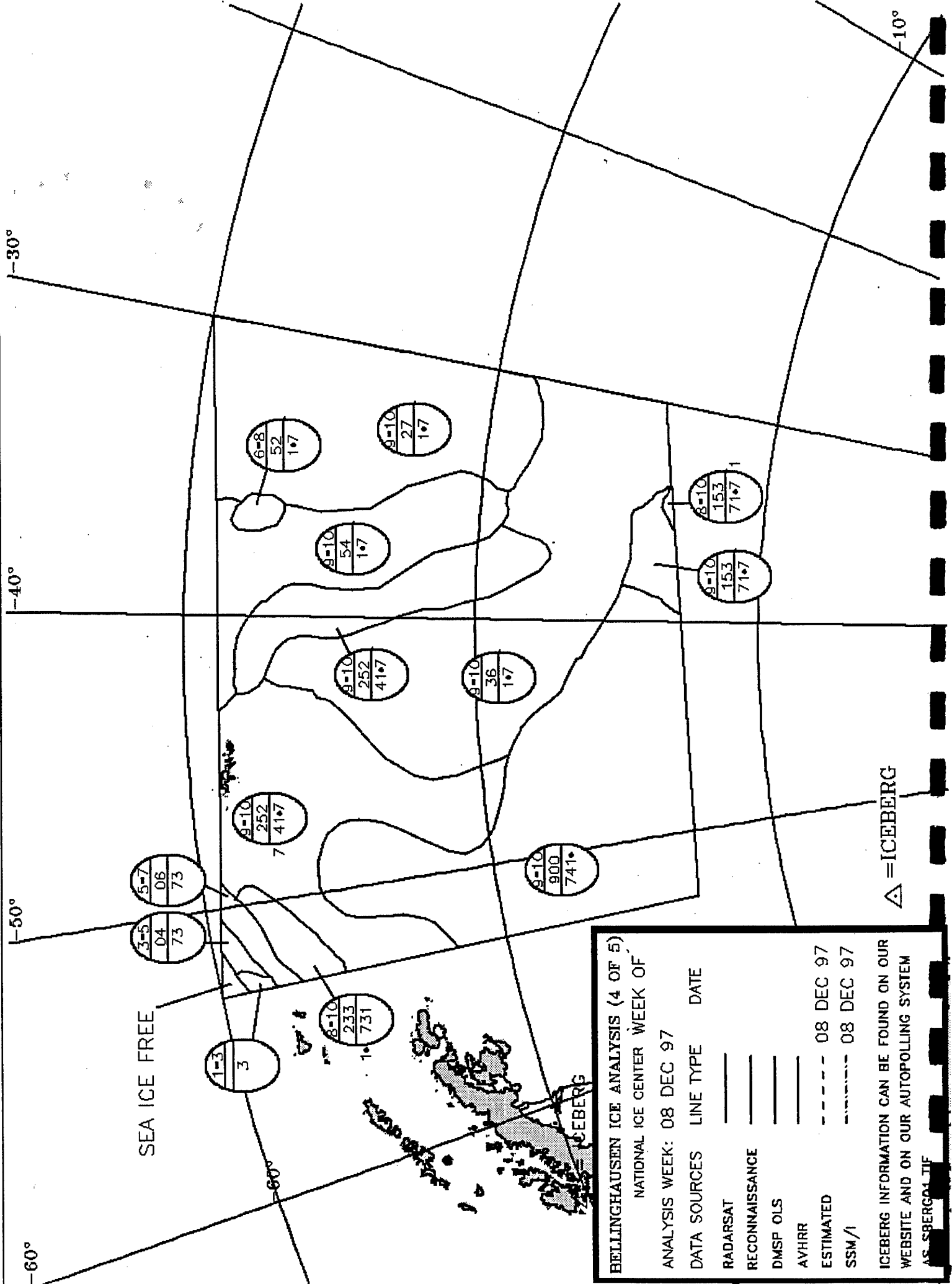
BELLINGHAUSEN ICE ANALYSIS (3 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK: 08 DEC 97

DATA SOURCES	LINE TYPE	DATE
RADARSAT	---	08 DEC
RECONNAISSANCE	---	08 DEC
DMSP OLS	---	08 DEC
AVHRR	---	08 DEC
ESTIMATED	---	08 DEC
SSM / I	---	08 DEC

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF

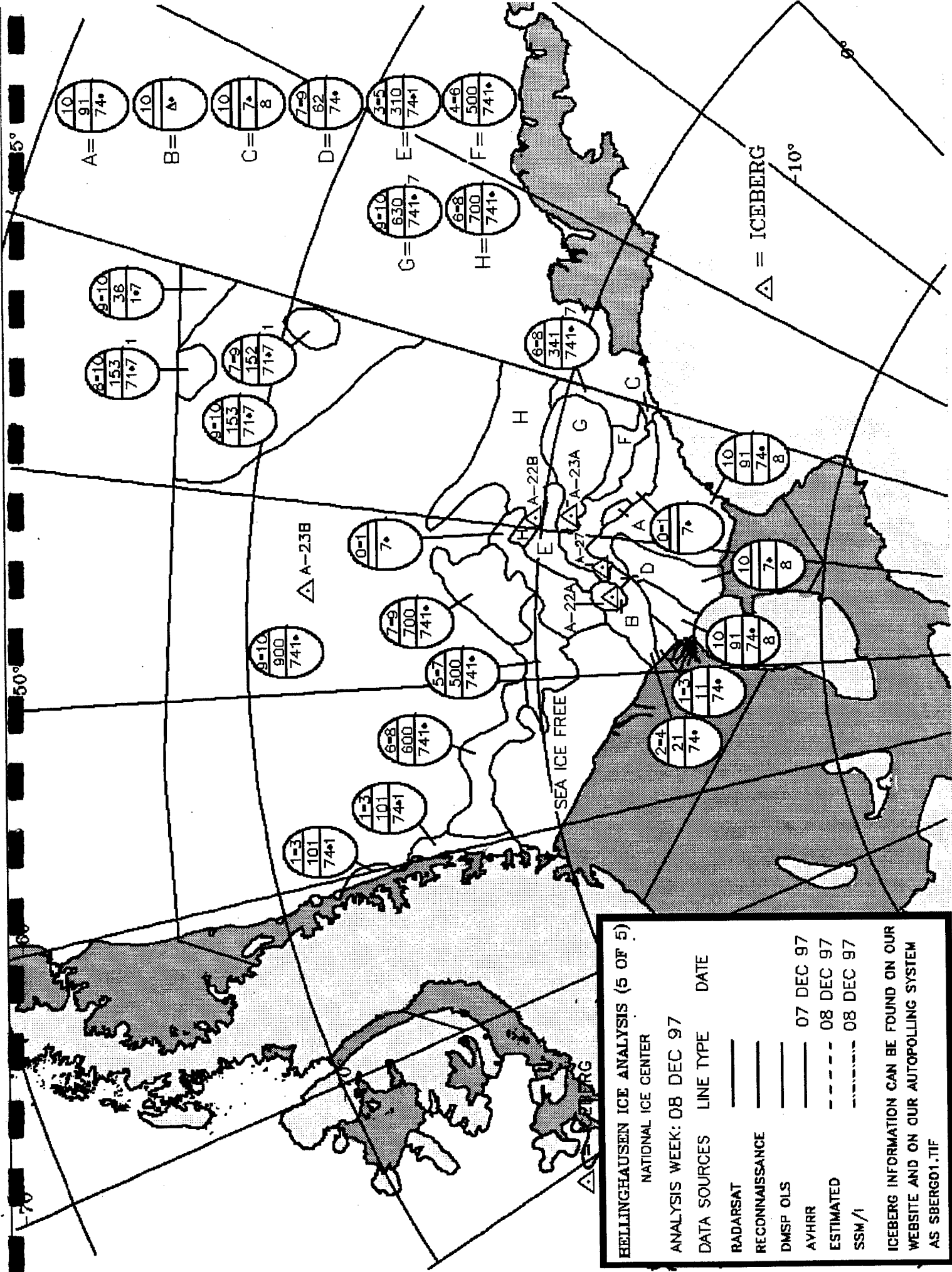


BELLINGHOUSEN ICE ANALYSIS (4 OF 5)
 NATIONAL ICE CENTER WEEK OF
 ANALYSIS WEEK: 08 DEC 97

DATA SOURCES	LINE TYPE	DATE
RADARSAT	_____	
RECONNAISSANCE	_____	
DMSP OLS	_____	
AVHRR	_____	
ESTIMATED	-----	08 DEC 97
SSM/I	-----	08 DEC 97

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM

AS SBERC04.TIF



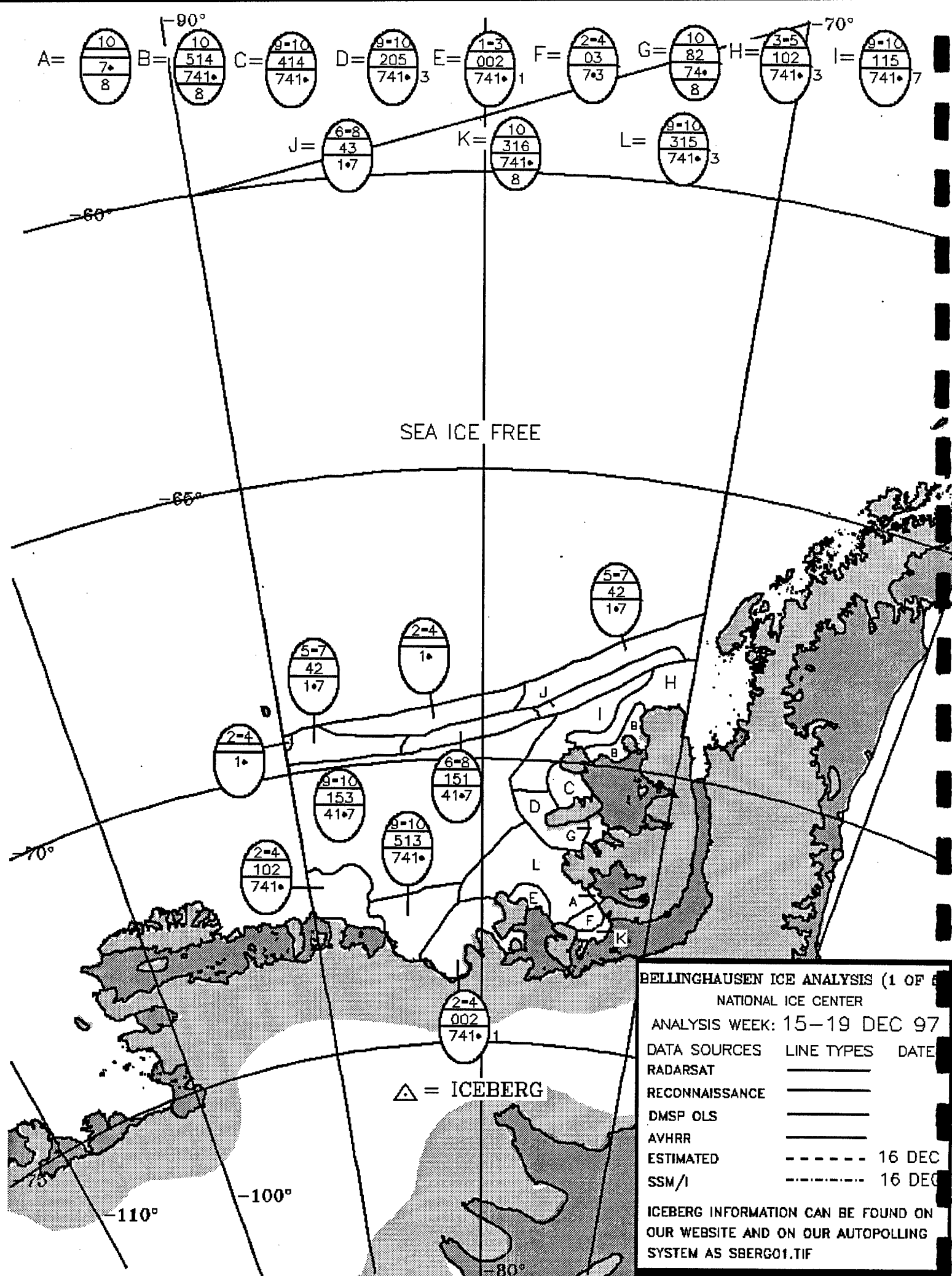
BELLINGHAUSEN ICE ANALYSIS (5 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK: 08 DEC 97

DATA SOURCES	LINE TYPE	DATE
RADARSAT	---	07 DEC 97
RECONNAISSANCE	---	08 DEC 97
DMSR OLS	---	08 DEC 97
AVHRR	---	08 DEC 97
ESTIMATED	---	08 DEC 97
SSM/I	---	08 DEC 97

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF



BELLINGHAUSEN ICE ANALYSIS (2 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK: 15-19 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

AVHRR

ESTIMATED ----- 16 DEC 97

SSM/I - - - - - 16 DEC 97

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG

SEA ICE FREE

SEA ICE FREE

A = $\frac{10}{316}$
 $\frac{741}{8}$

B = $\frac{10}{215}$
 $\frac{741}{7}$

C = $\frac{10}{136}$
 $\frac{41}{7}$
 $\frac{8}{8}$

D = $\frac{2-4}{03}$
 $\frac{73}{73}$

$\frac{5-7}{42}$
 $\frac{1}{7}$

$\frac{3-5}{102}$
 $\frac{741}{3}$

$\frac{4-6}{122}$
 $\frac{1}{73}$

$\frac{4-6}{41}$
 $\frac{1}{7}$

$\frac{2-4}{30}$
 $\frac{1}{7}$

$\frac{3-5}{04}$
 $\frac{73}{73}$

$\frac{4-6}{05}$
 $\frac{73}{73}$

$\frac{7-9}{233}$
 $\frac{731}{1}$

$\frac{9-10}{252}$
 $\frac{41}{7}$

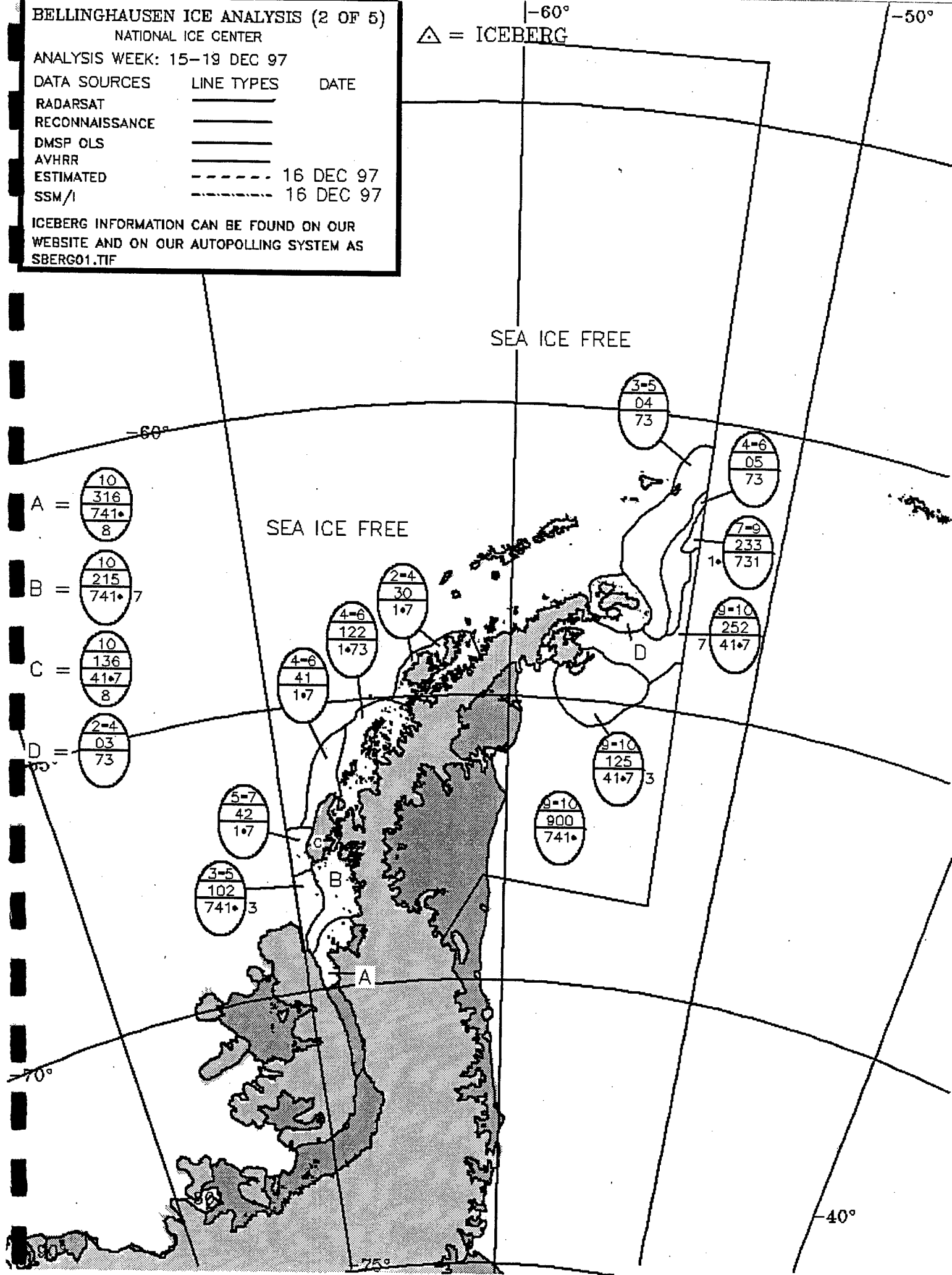
$\frac{9-10}{125}$
 $\frac{41}{7}$
3

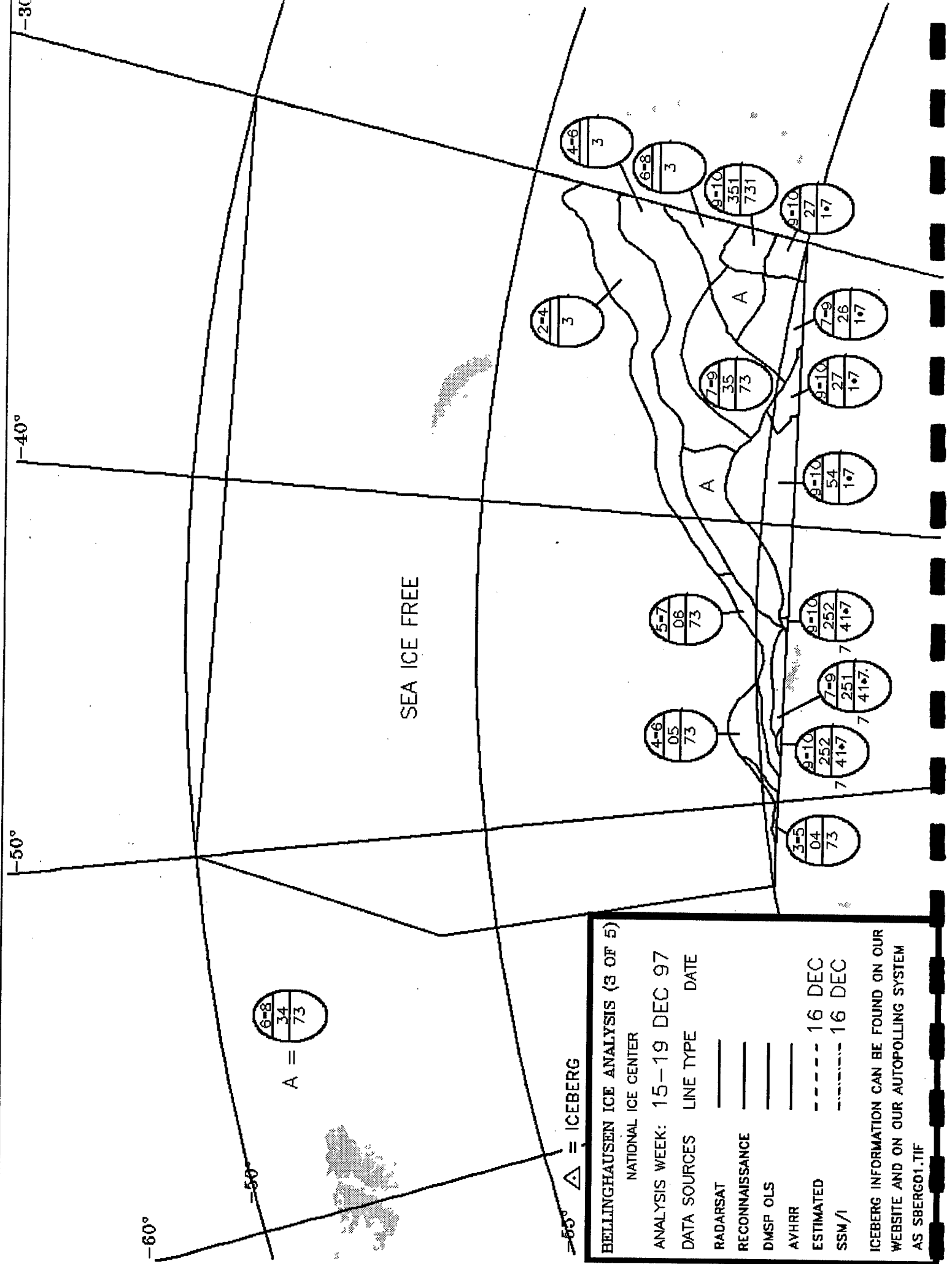
$\frac{9-10}{900}$
 $\frac{741}{741}$

A

75°

40°



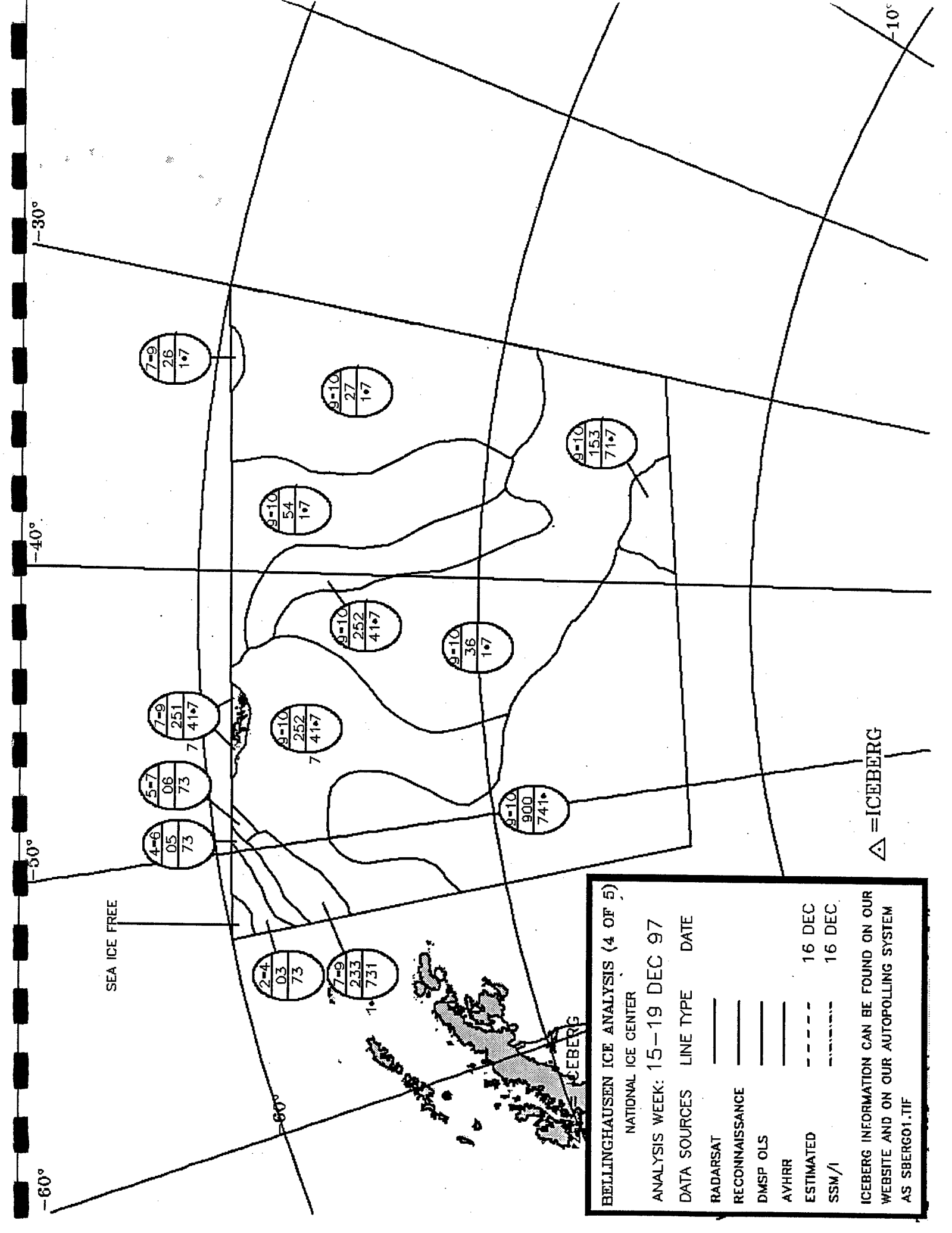


BELLINGHAUSEN ICE ANALYSIS (3 OF 5)
 NATIONAL ICE CENTER

ANALYSIS WEEK: 15-19 DEC 97

DATA SOURCES	LINE TYPE	DATE
RADARSAT	---	---
RECONNAISSANCE	---	---
DWSP OLS	---	---
AVHRR	---	---
ESTIMATED	---	16 DEC
SSM/I	---	16 DEC

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF



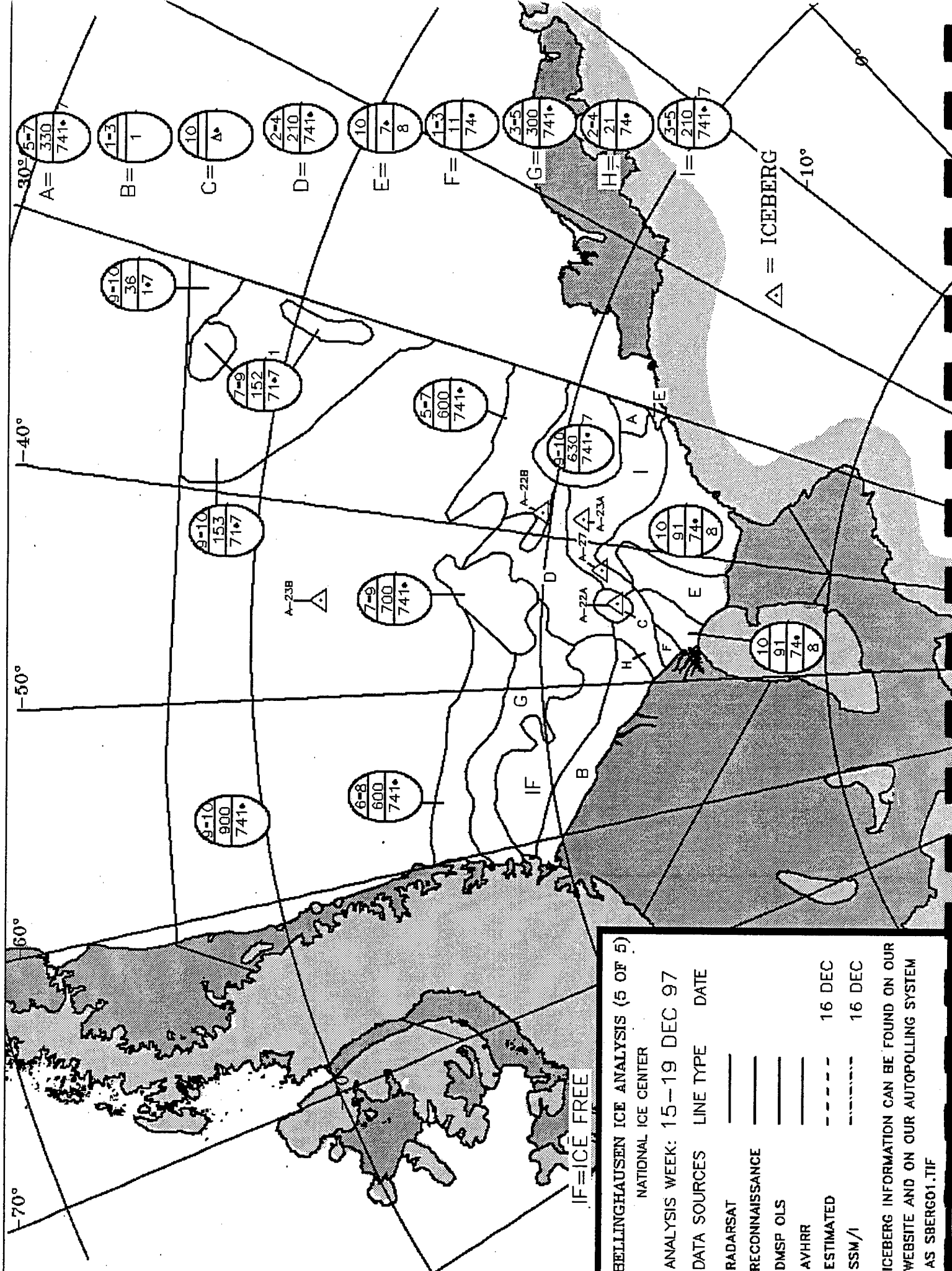
BELLINGHAUSEN ICE ANALYSIS (4 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK: 15-19 DEC 97

DATA SOURCES	LINE TYPE	DATE
RADARSAT	---	
RECONNAISSANCE	---	
DMSP OLS	---	
AVHRR	---	
ESTIMATED	---	16 DEC
SSM/I	---	16 DEC

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF



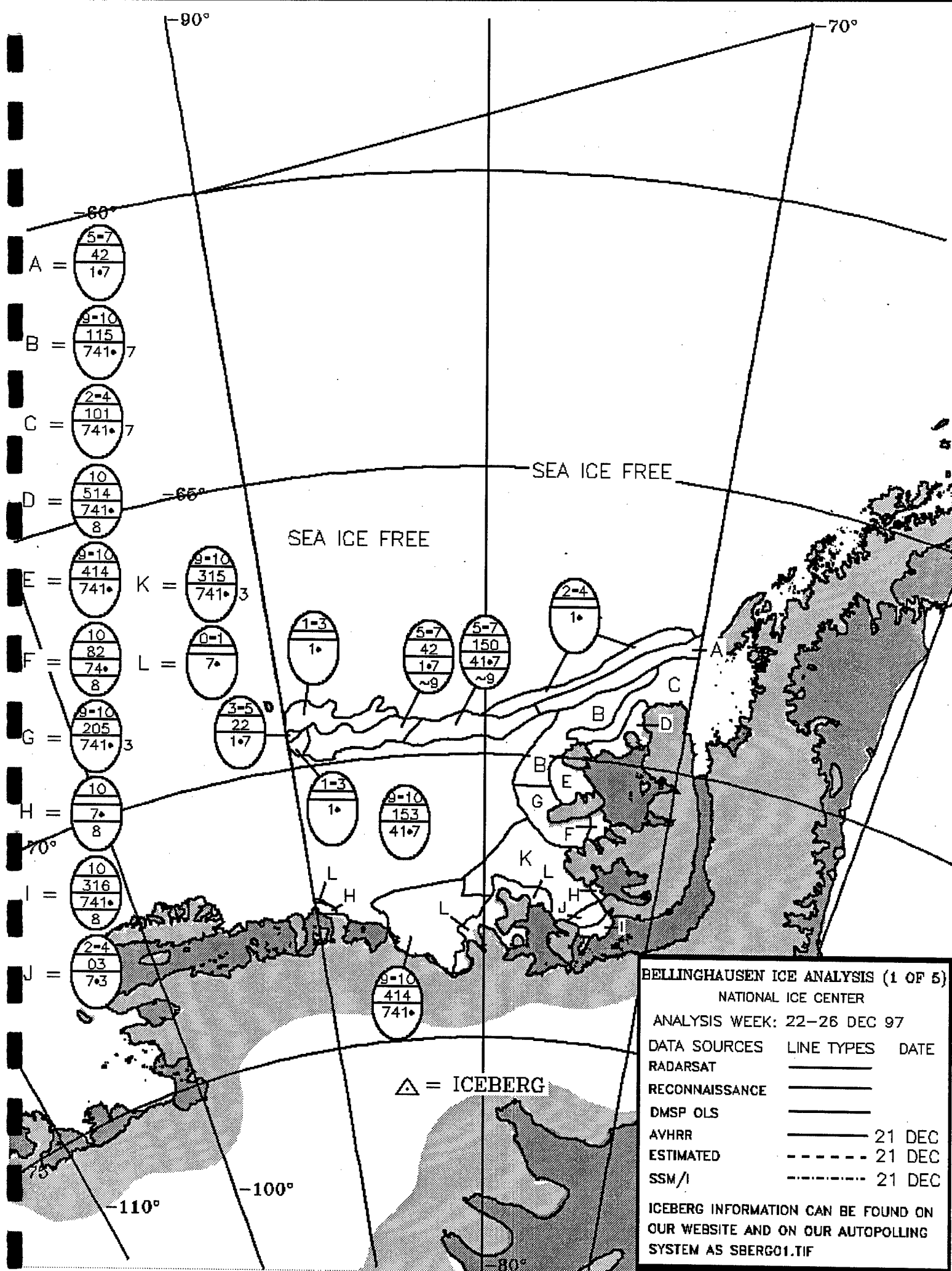
BELLINGHAUSEN ICE ANALYSIS (5 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK: 15-19 DEC 97

DATA SOURCES	LINE TYPE	DATE
RADARSAT	---	
RECONNAISSANCE	---	
DMSP OLS	---	
AVHRR	---	
ESTIMATED	---	16 DEC
SSM/I	---	16 DEC

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS SBORG01.TIF



BELLINGHAUSEN ICE ANALYSIS (2 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK: 22-26 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSF OLS

AVHRR

ESTIMATED

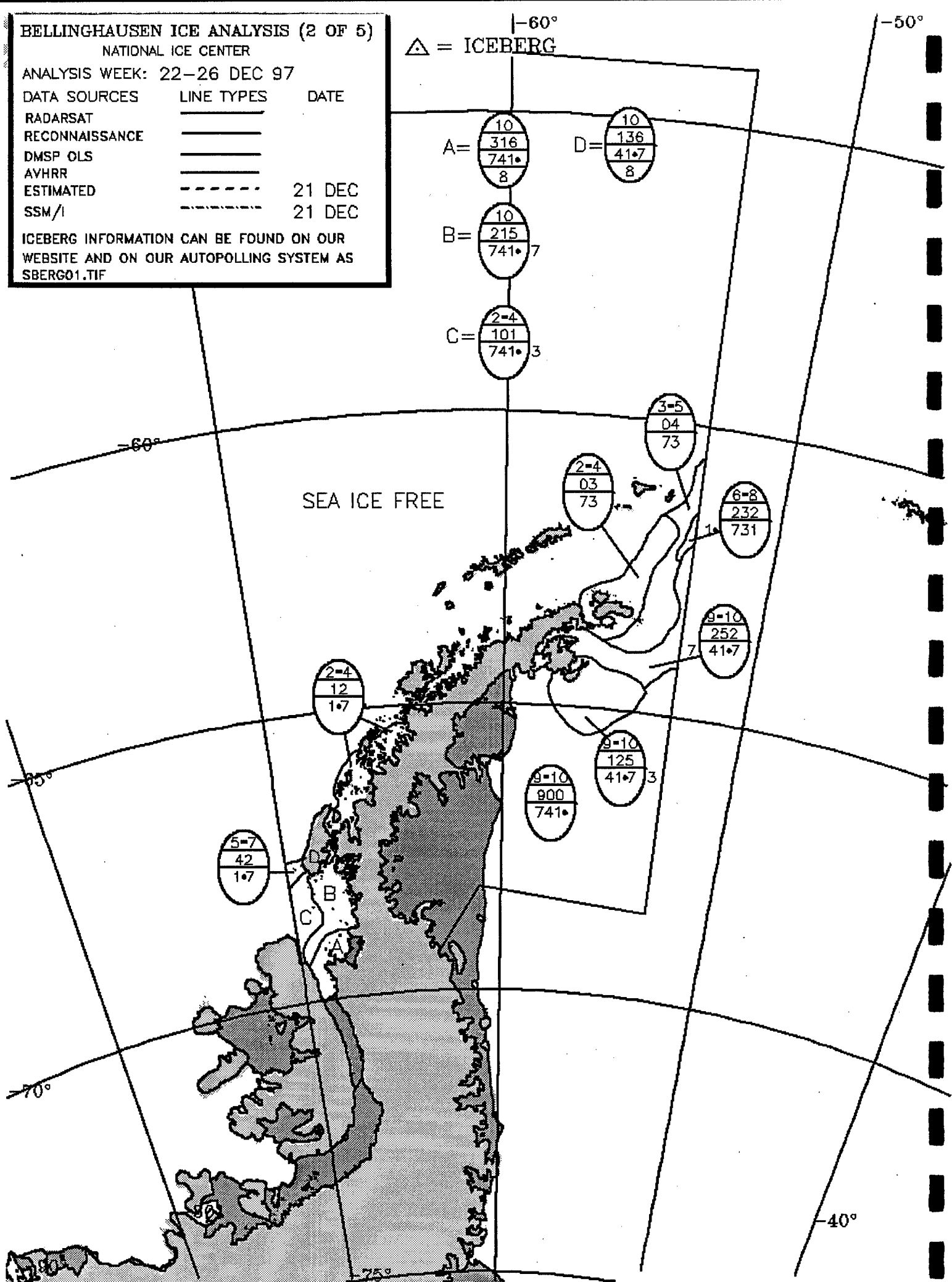
21 DEC

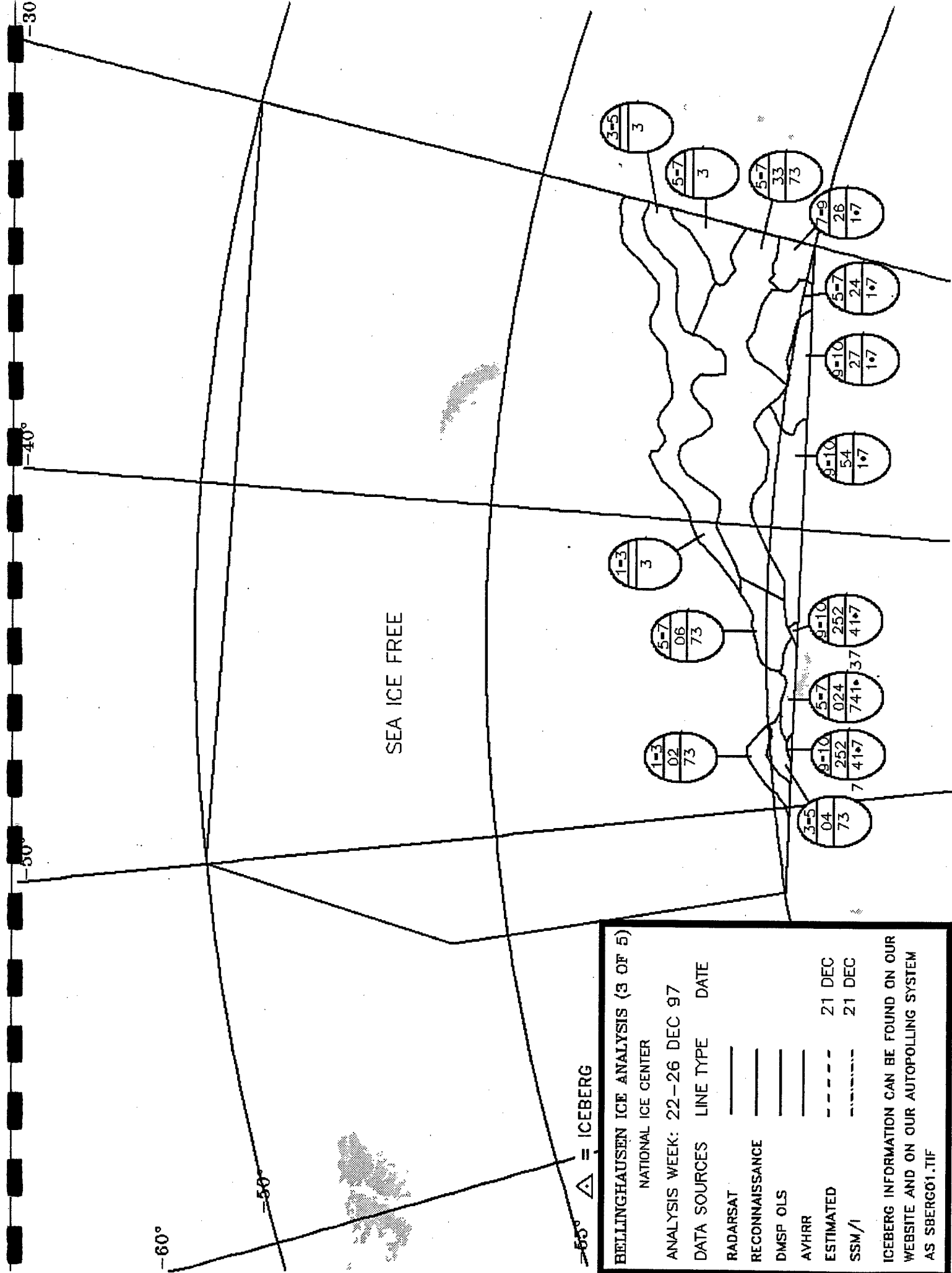
SSM/I

21 DEC

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG





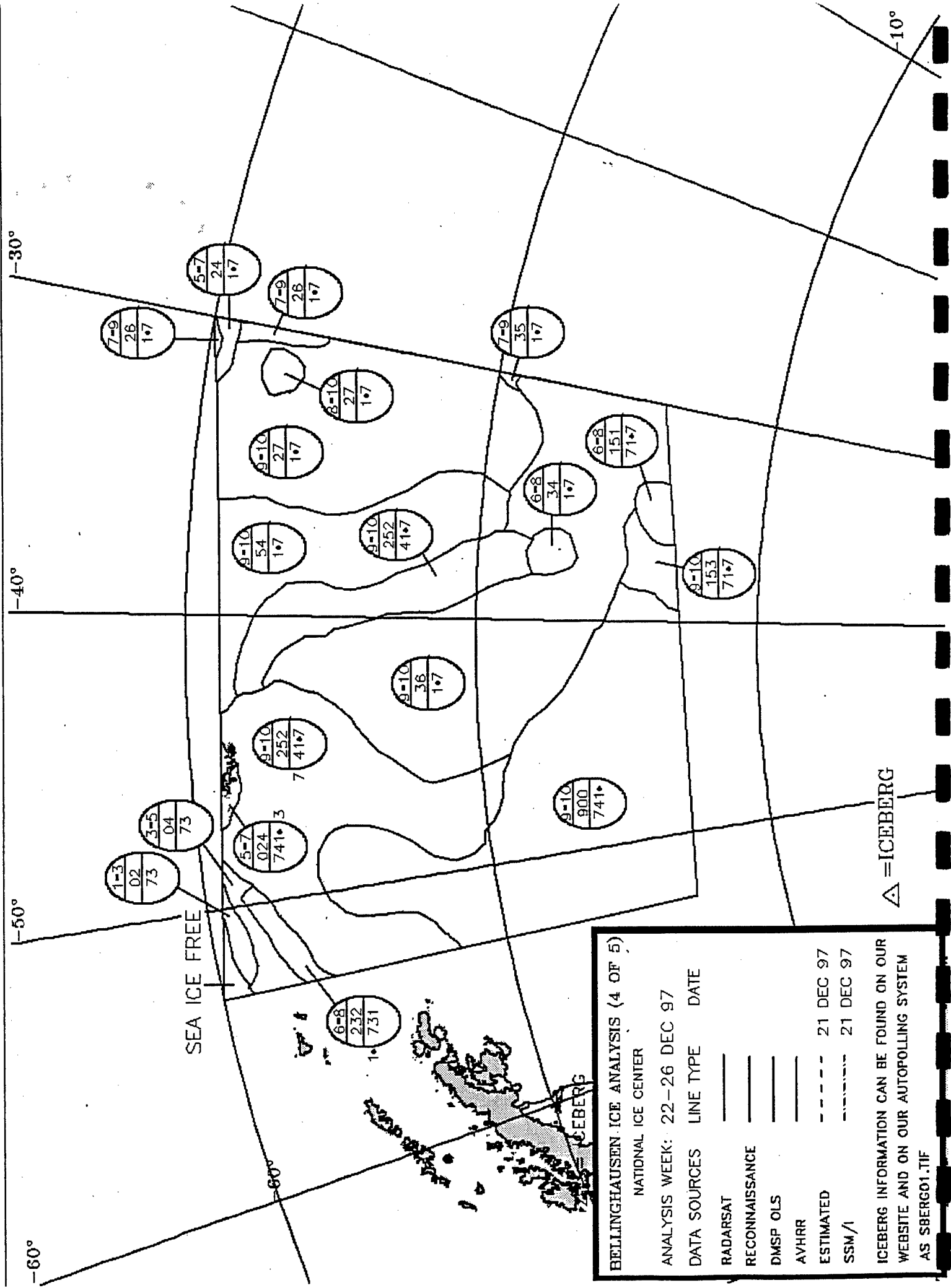
BELLINGHAUSEN ICE ANALYSIS (3 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK: 22-26 DEC 97

DATA SOURCES	LINE TYPE	DATE
RADARSAT	---	21 DEC
RECONNAISSANCE	---	21 DEC
DMSF OLS	---	21 DEC
AVHRR	---	21 DEC
ESTIMATED	---	21 DEC
SSM/I	---	21 DEC

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF



BELLINGHAUSEN ICE ANALYSIS (4 OF 5)

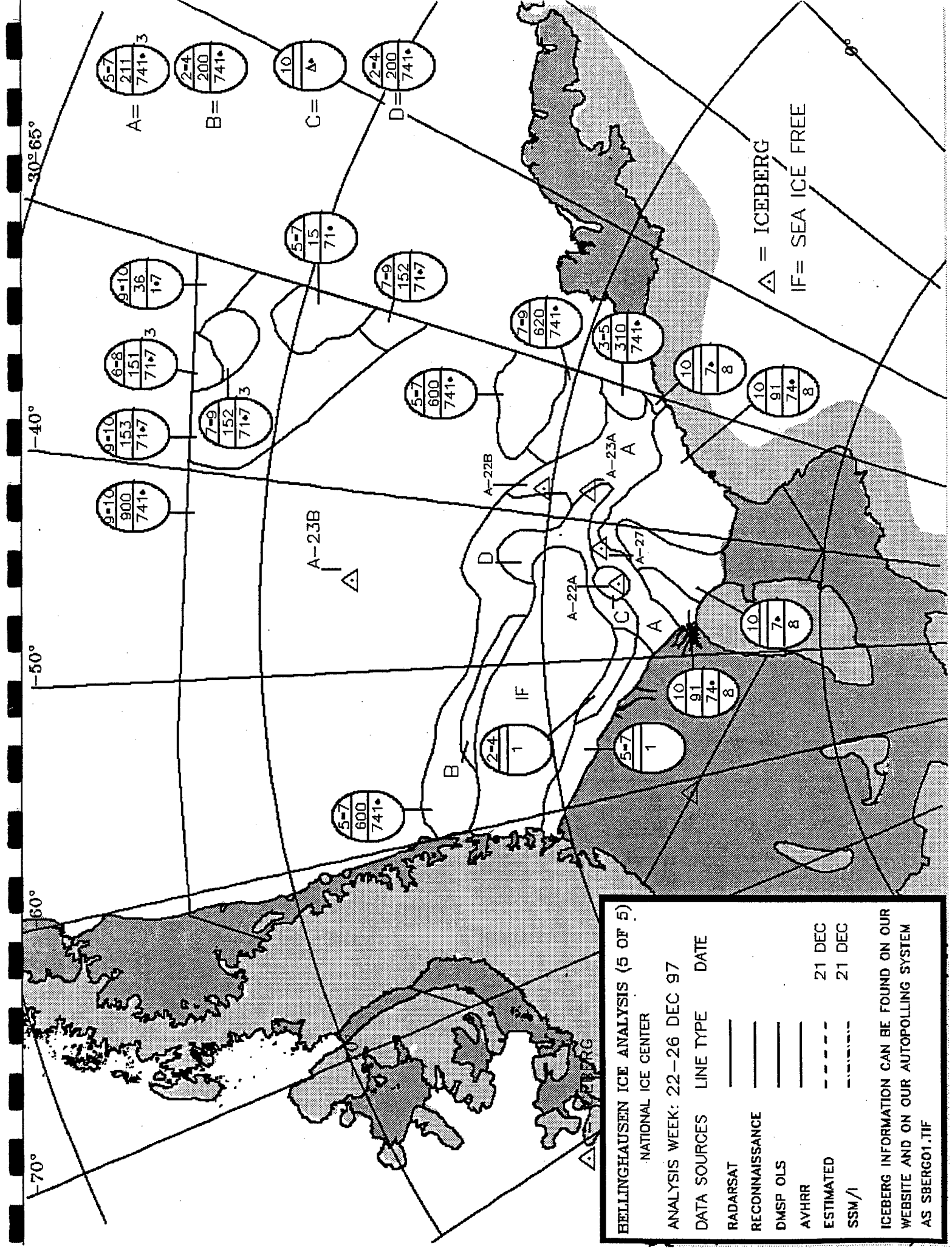
NATIONAL ICE CENTER

ANALYSIS WEEK: 22-26 DEC 97

DATA SOURCES LINE TYPE DATE

RADARSAT	---	21 DEC 97
RECONNAISSANCE	---	21 DEC 97
DMSP OLS	---	21 DEC 97
AVHRR	---	21 DEC 97
ESTIMATED	---	21 DEC 97
SSM/I	---	21 DEC 97

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS SBG01.TIF



WEDDELL SEA ICE ANALYSIS (1 OF 6)

NATIONAL ICE CENTER

ANALYSIS DATE: WEEK OF 27 OCT 97

DATA SOURCES DATE

RECONNAISSANCE.....

SHIP.....

SSM/I..... 27 OCT 97

VISIBLE/INFRARED.....

RADAR.....

SEA ICE FREE

SEA ICE FREE



-10°

-20°

-55°

-60°

WEDDELL SEA ICE ANALYSIS (2 OF 6)

NATIONAL ICE CENTER

ANALYSIS DATE: 27 OCT 97

DATA SOURCES DATE

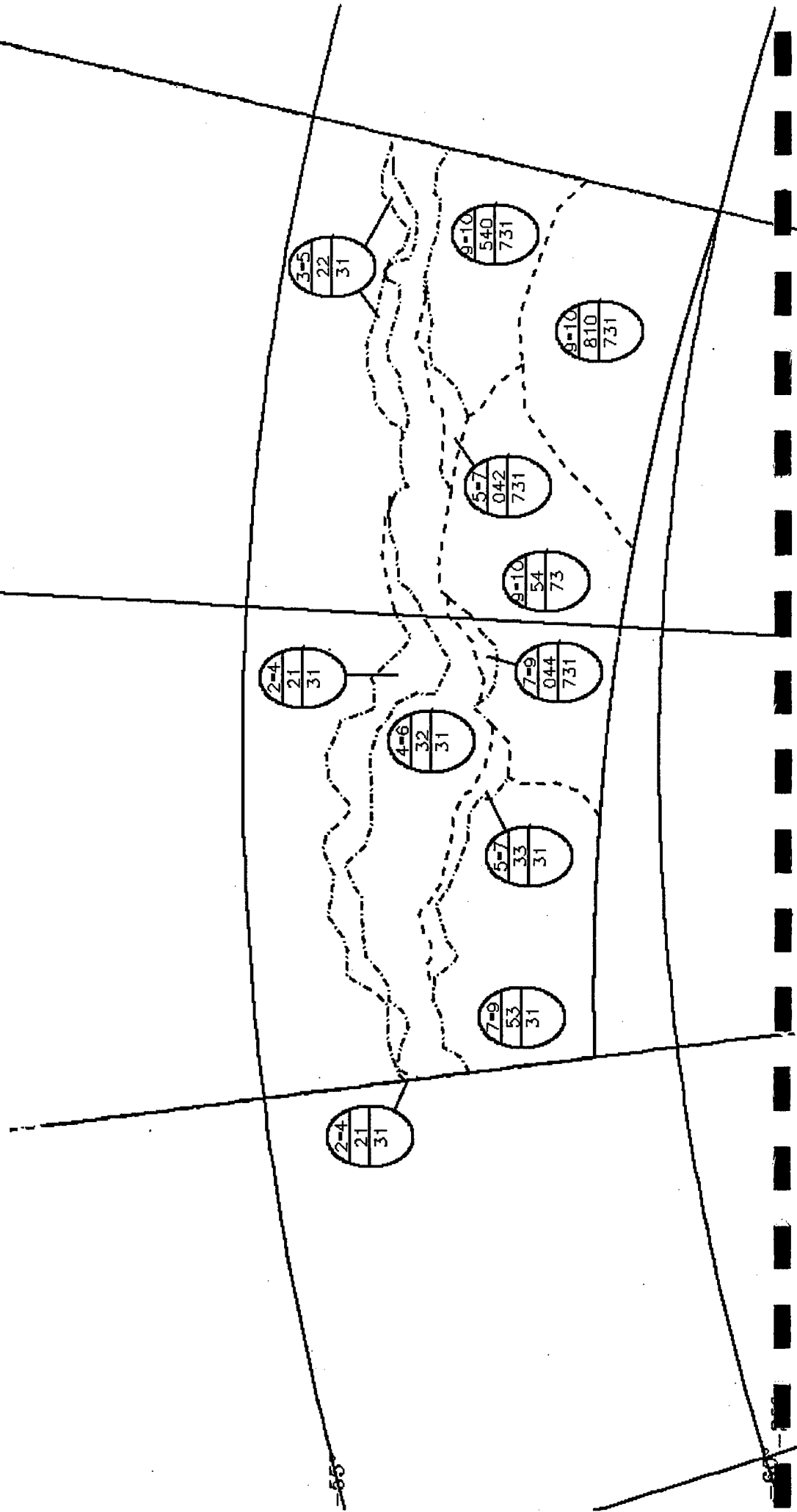
RECONNAISSANCE.....

SHIP.....

SSM/I.....

VISIBLE/INFRARED.....

RADAR.....



WEDDELL SEA ICE ANALYSIS (3 OF 6)

NATIONAL ICE CENTER

ANALYSIS DATE: WEEK OF 27 OCT 97

DATA SOURCES DATE

RECONNAISSANCE

SHIP

SSM/1 27 OCT 97

VISIBLE/INFRARED

RADAR

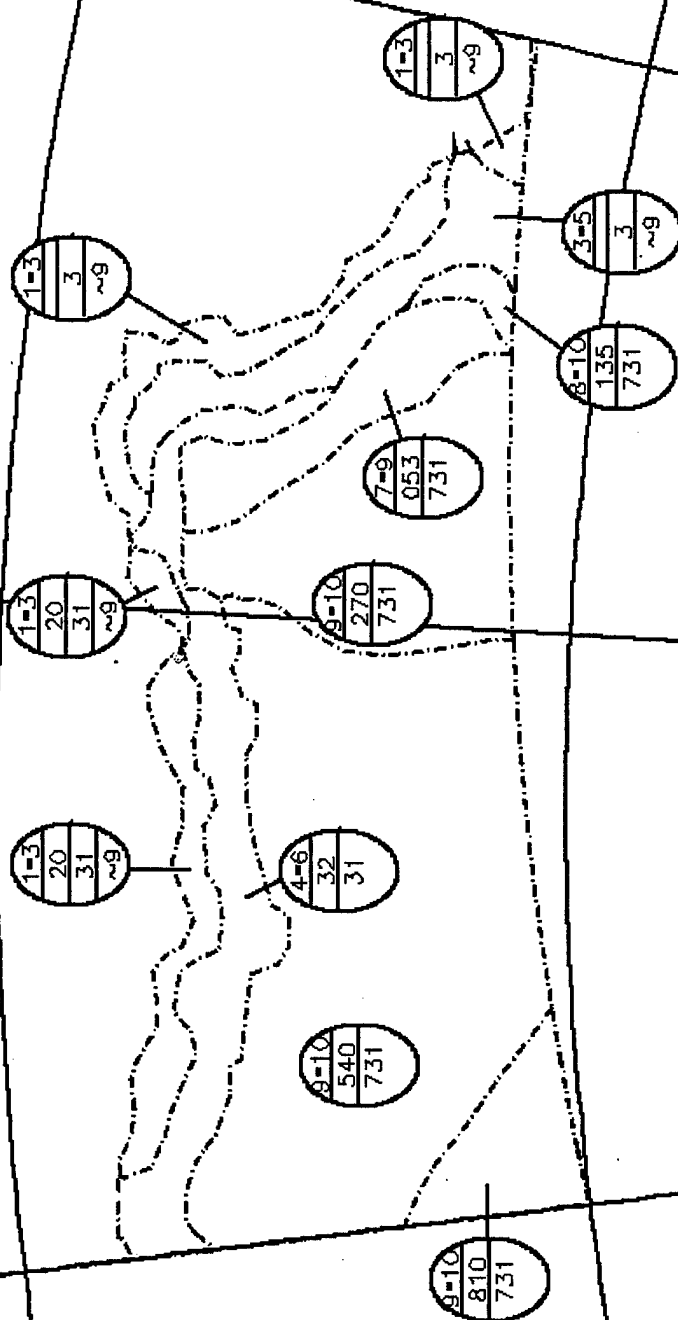
10°

10°

-50°

-55°

-60°





= ICEBERG

ICEBERG INFORMATION CAN BE
FOUND ON OUR WEBSITE AND
ON OUR AUTOPOLLING SYSTEM
AS SBERG01.TIF

WEDDELL SEA ICE ANALYSIS (4 OF 6)

NATIONAL ICE CENTER

ANALYSIS DATE: WEEK OF 27 OCT 97

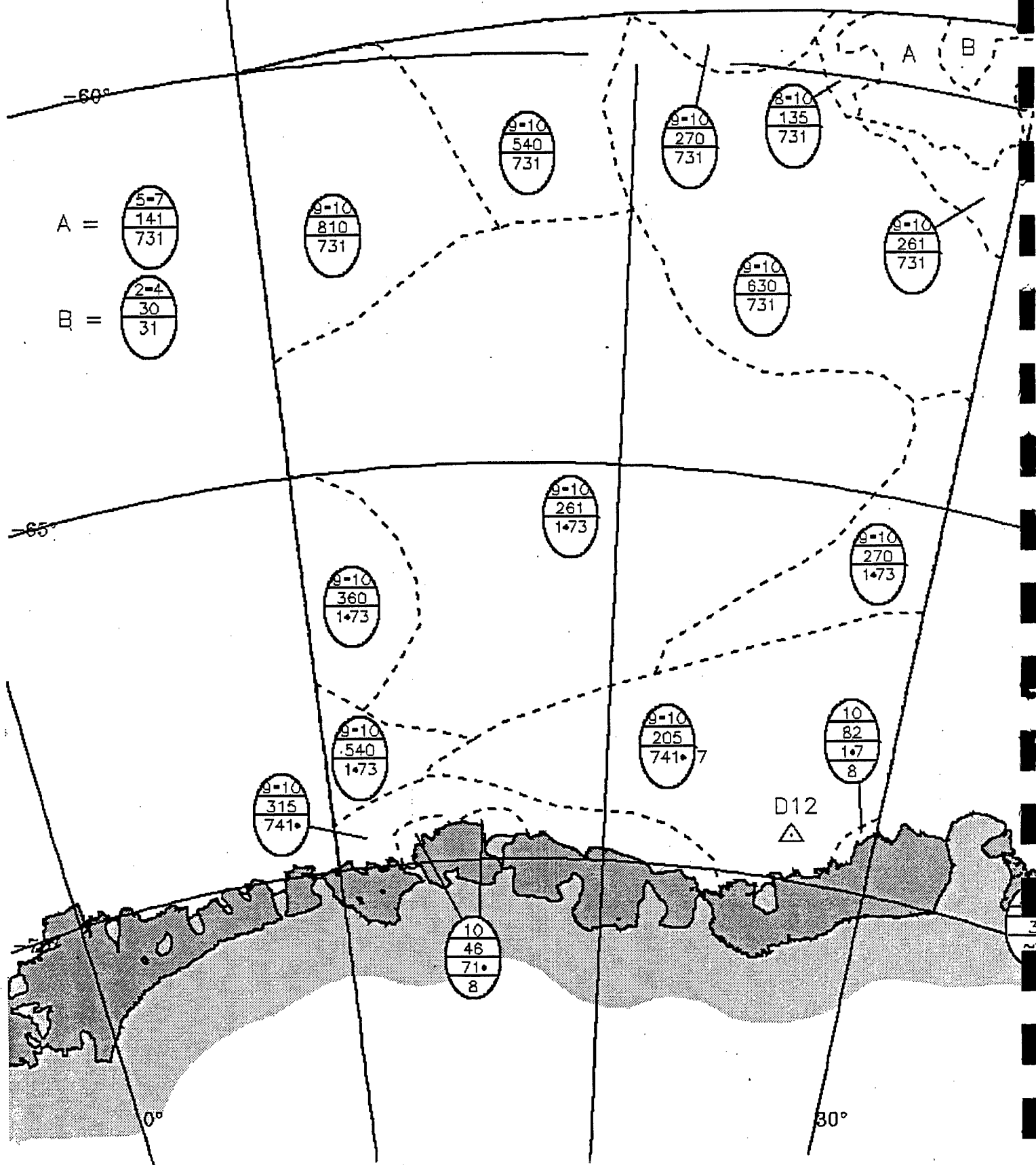
DATA SOURCES LINE TYPES DATE

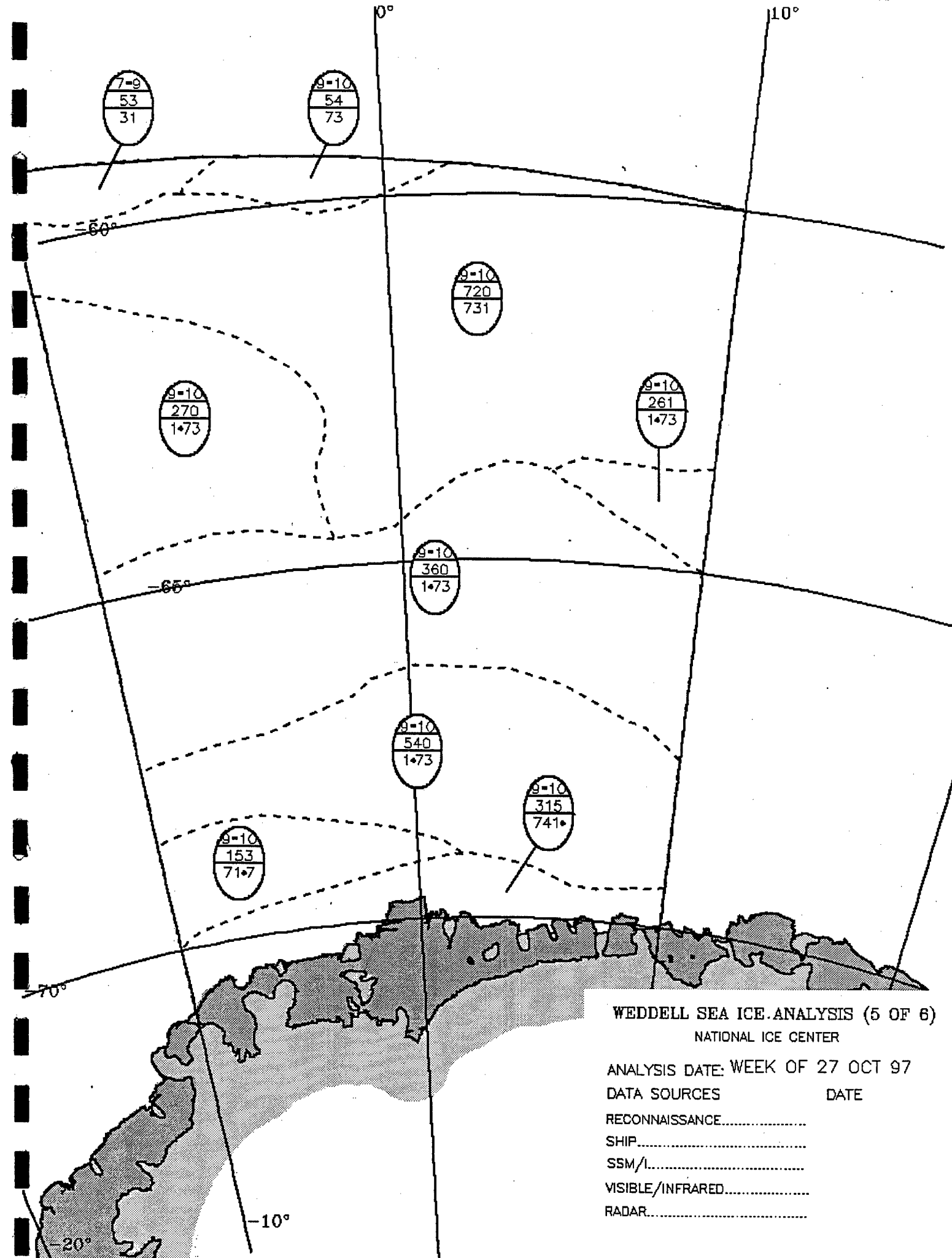
RECONNAISSANCE

SHIP

SSM/I 27OCT97

ESTIMATED 27OCT97





WEDDELL SEA ICE ANALYSIS (5 OF 6)
NATIONAL ICE CENTER

ANALYSIS DATE: WEEK OF 27 OCT 97

DATA SOURCES DATE

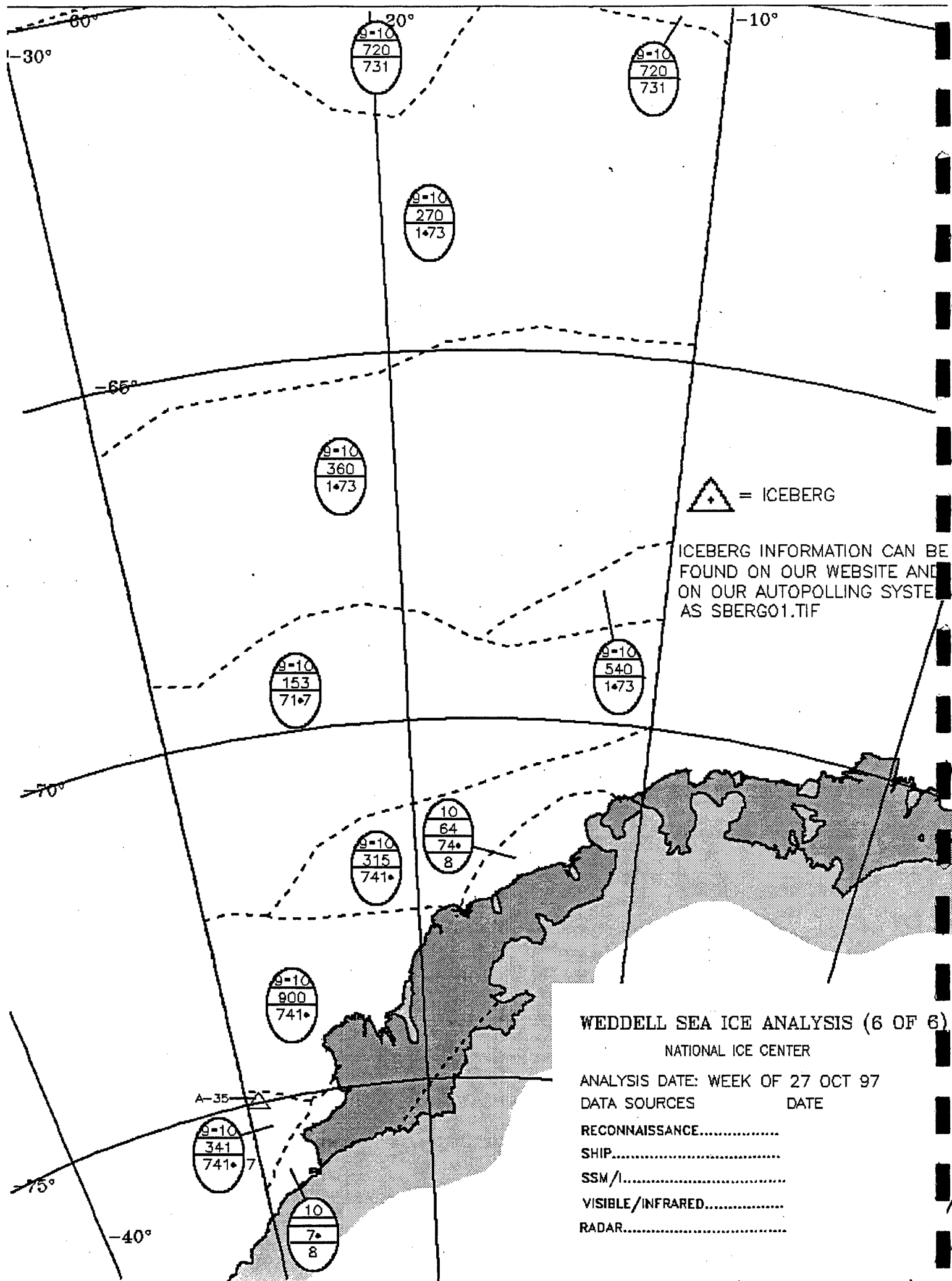
RECONNAISSANCE.....

SHIP.....

SSM/I.....

VISIBLE/INFRARED.....

RADAR.....



WEDDELL SEA ICE ANALYSIS (2 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: WEEK OF 03 NOV 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

AVHRR

ESTIMATED

SSM/I

04 NOV 97

04 NOV 97

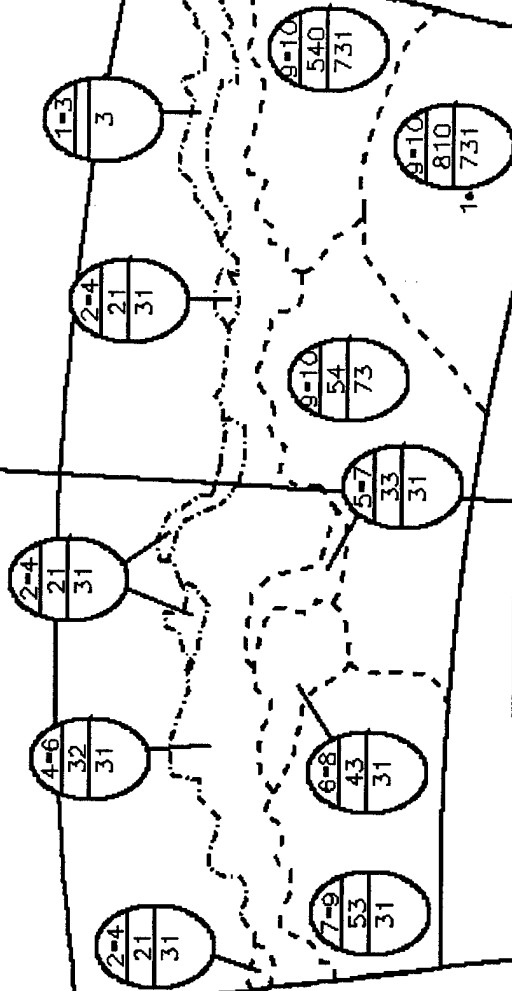
ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG

10°

10°

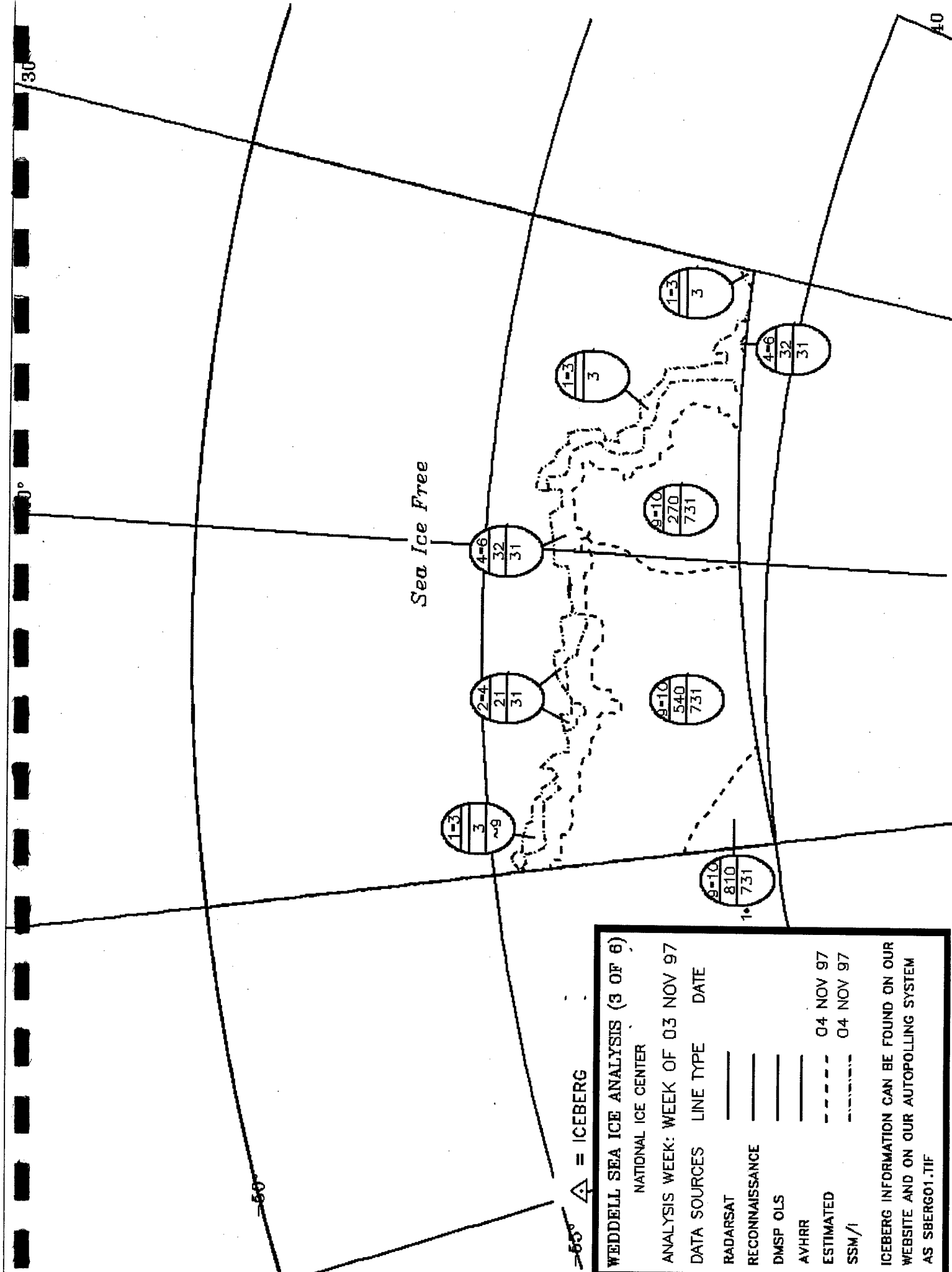
Sea Ice Free



60°

-20°

20



50° Δ = ICEBERG

WEDDELL SEA ICE ANALYSIS (3 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: WEEK OF 03 NOV 97

DATA SOURCES	LINE TYPE	DATE
RADARSAT	---	
RECONNAISSANCE	---	
DMSP OLS	---	
AVHRR	---	
ESTIMATED	---	04 NOV 97
SSM/I	---	04 NOV 97

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF

WEDDELL SEA ICE ANALYSIS (4 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: 03 NOV 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

AVHRR

ESTIMATED

03 NOV 97

SSM/I

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG

20°

SEA ICE FREE

A= $\frac{10}{82}$
1.7

B= $\frac{10}{46}$
71.0

9-10
 $\frac{810}{731}$

9-10
 $\frac{540}{731}$

9-10
 $\frac{270}{731}$

1-3
3

4-6
 $\frac{32}{31}$

9-10
 $\frac{630}{731}$

9-10
 $\frac{261}{731}$

9-10
 $\frac{261}{1.73}$

9-10
 $\frac{360}{1.73}$

9-10
 $\frac{540}{1.73}$

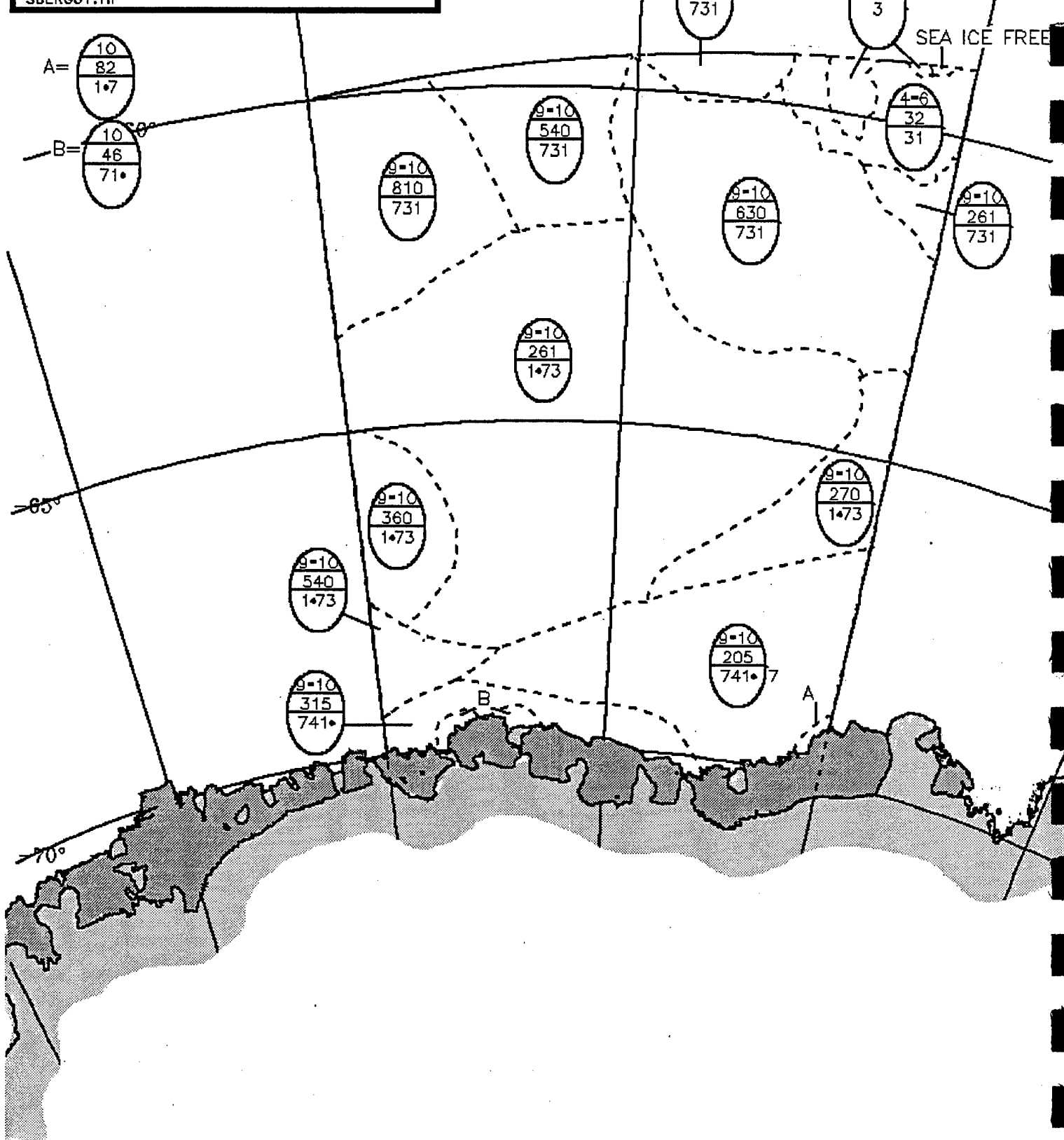
9-10
 $\frac{270}{1.73}$

9-10
 $\frac{205}{741.7}$

9-10
 $\frac{315}{741.7}$

B

A



WEDDELL SEA ICE ANALYSIS (5 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: 03 NOV 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

AVHRR

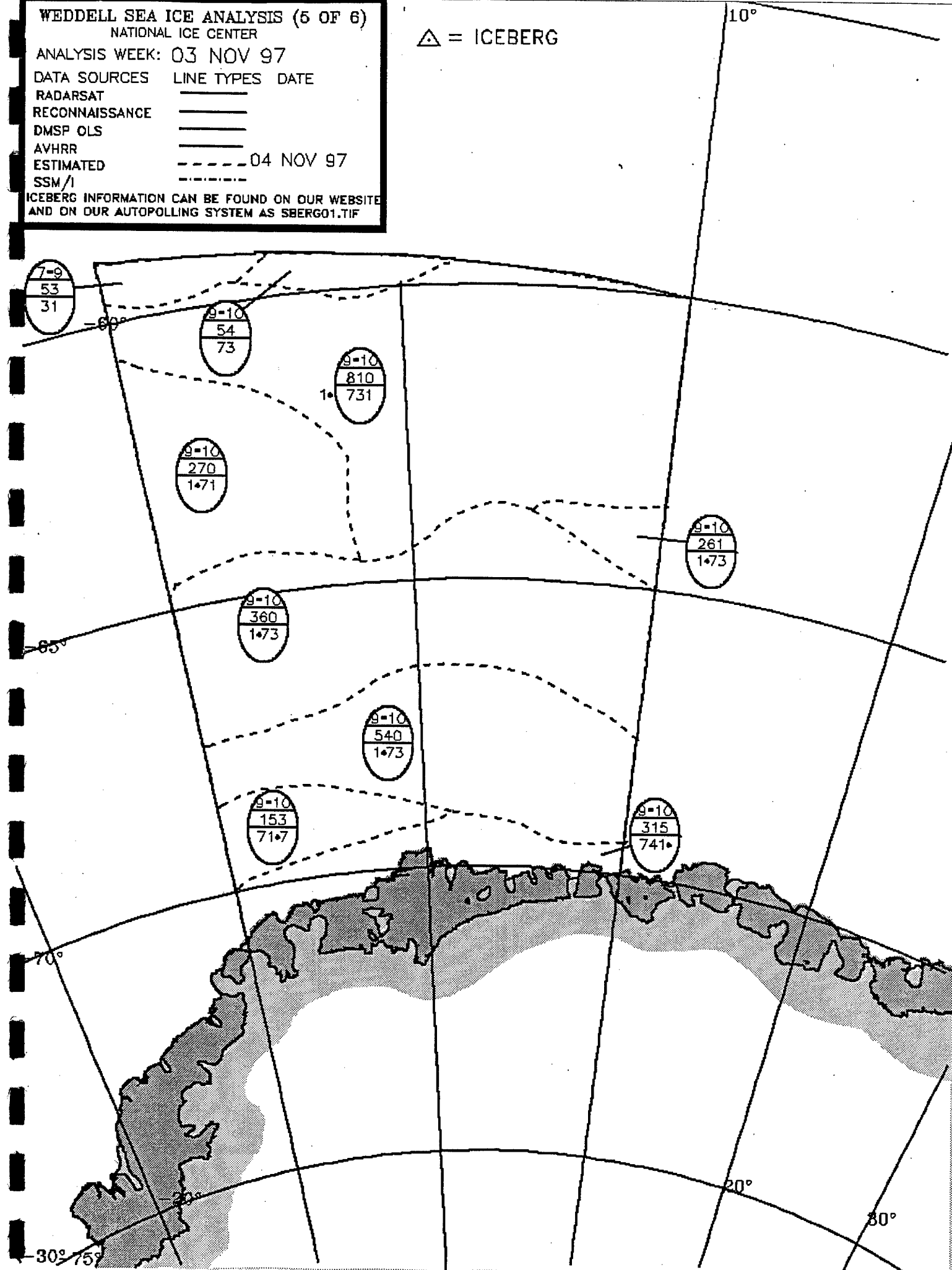
ESTIMATED

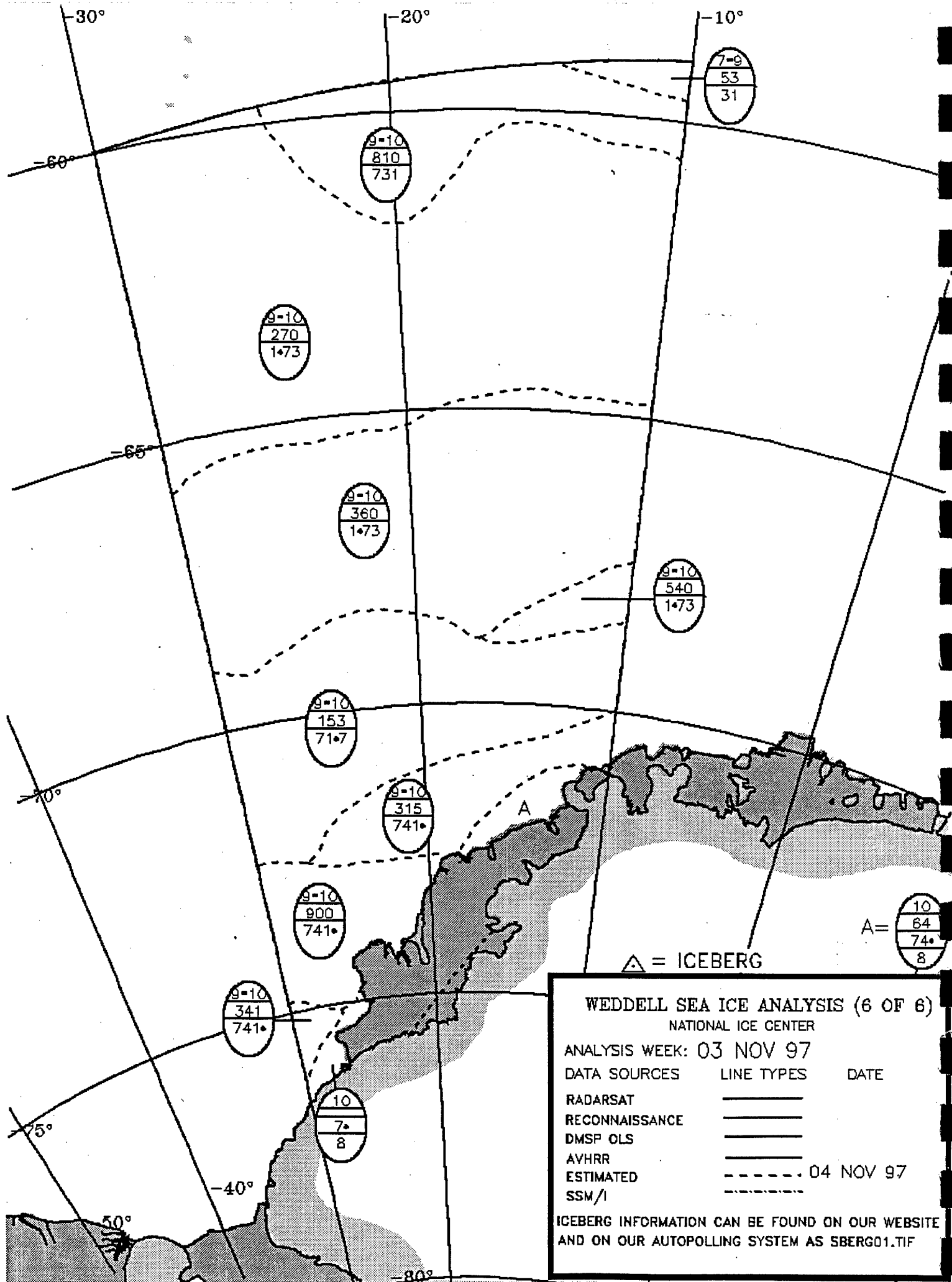
SSM/I

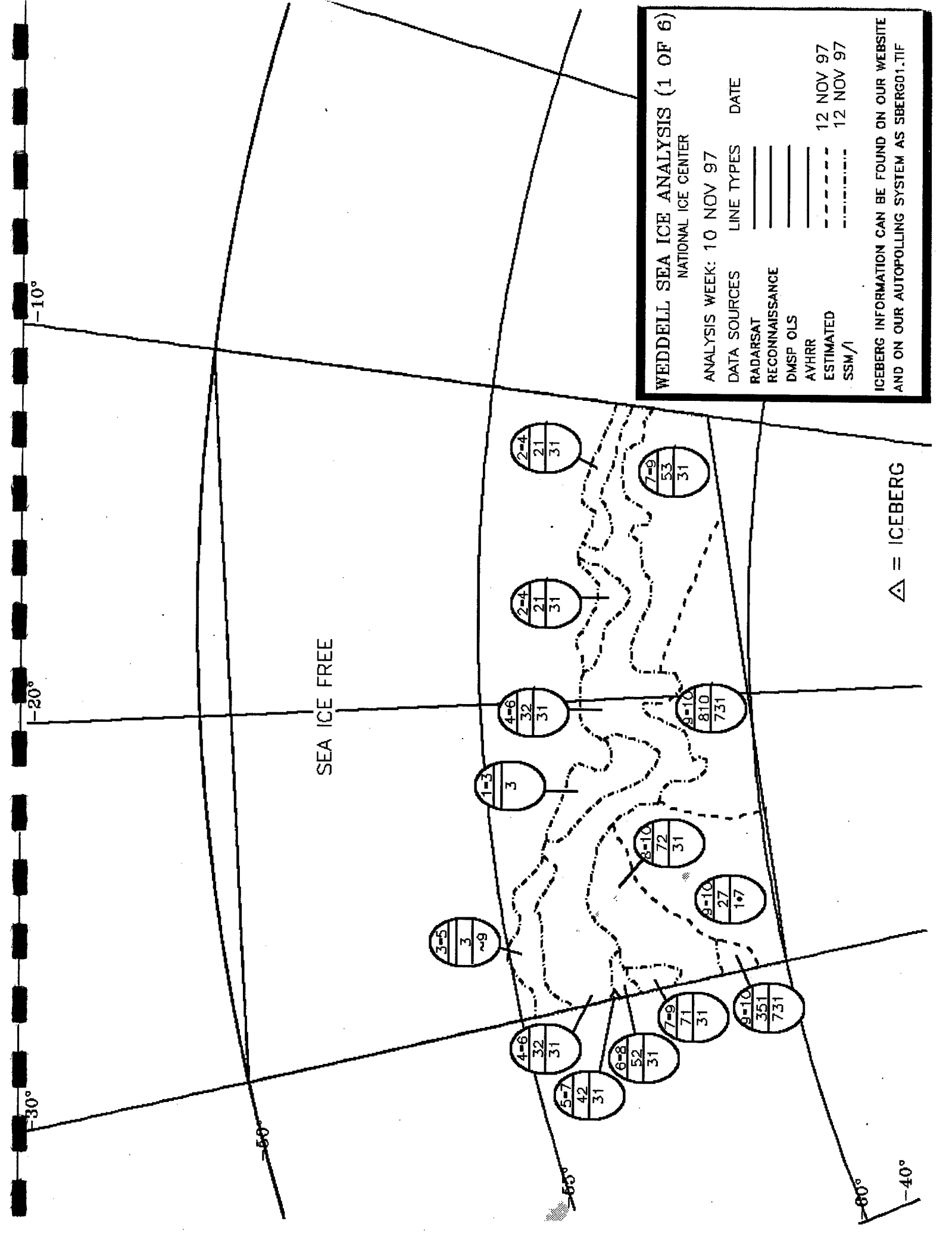
04 NOV 97

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE
AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF

△ = ICEBERG







SEA ICE FREE

△ = ICEBERG

WEDDELL SEA ICE ANALYSIS (1 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: 10 NOV 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

AVHRR

ESTIMATED

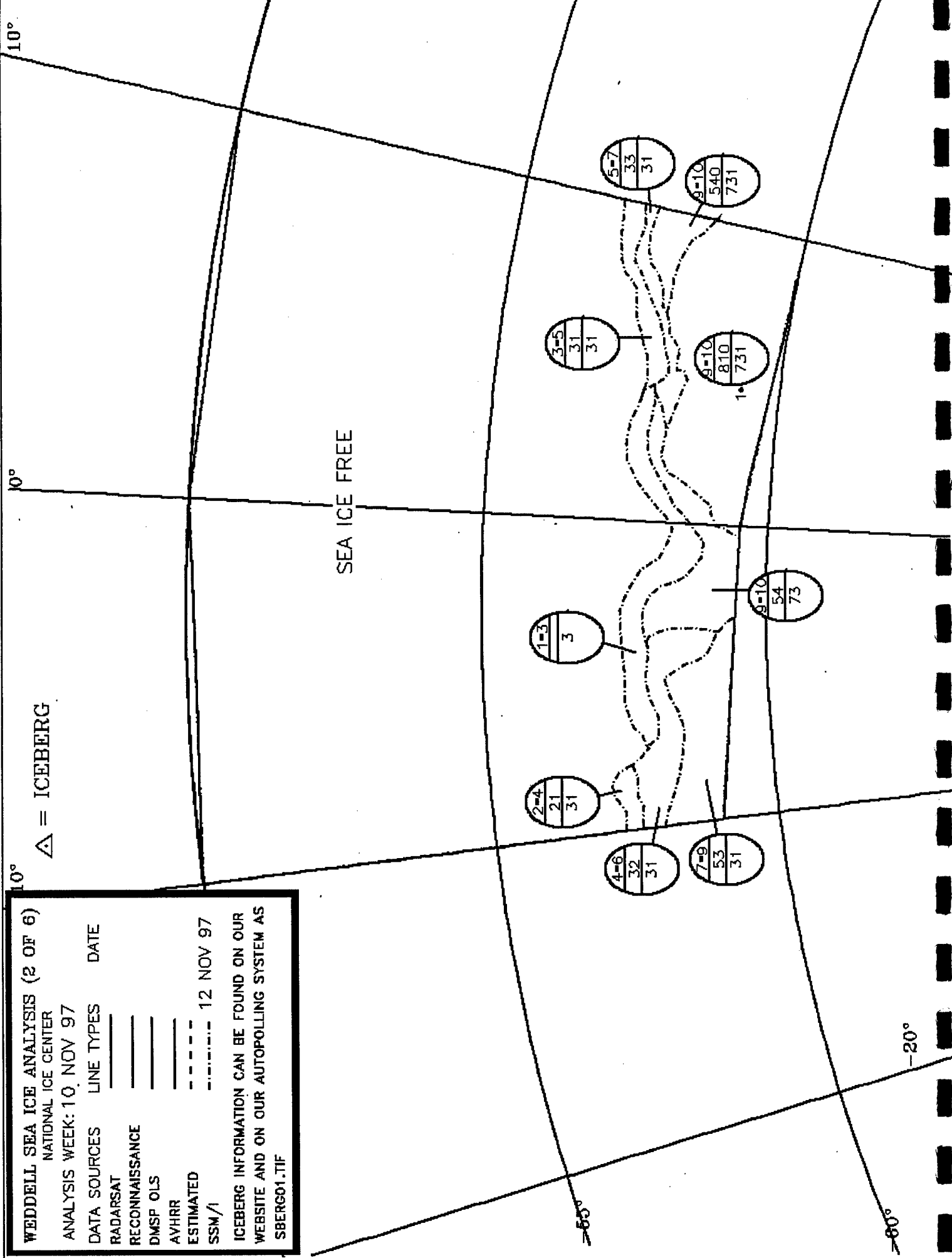
SSM/I

12 NOV 97

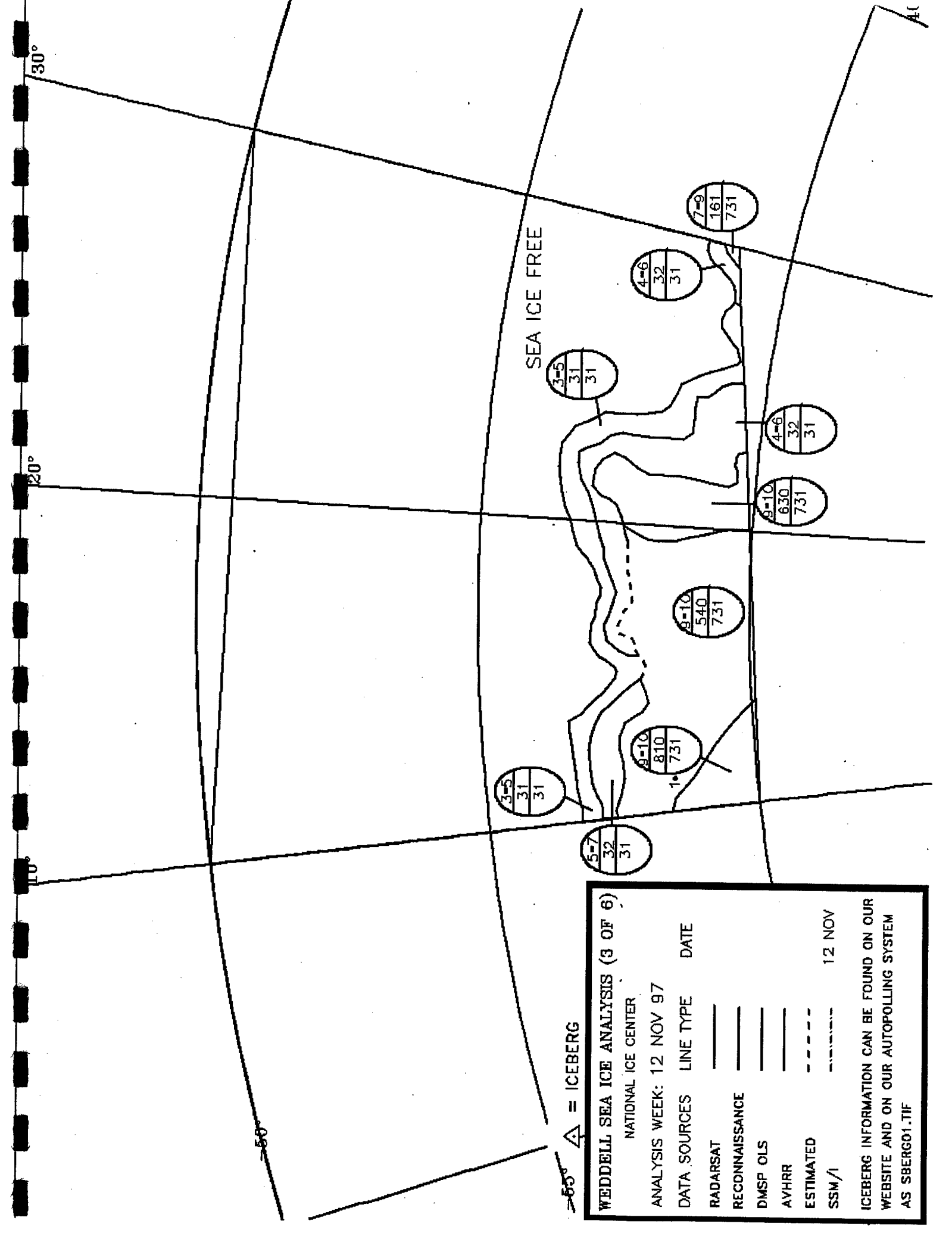
12 NOV 97

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE
AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF

WEDDELL SEA ICE ANALYSIS (2 OF 6)
 NATIONAL ICE CENTER
 ANALYSIS WEEK: 10 NOV 97
 DATA SOURCES LINE TYPES DATE
 RADARSAT _____
 RECONNAISSANCE _____
 DMSP OLS _____
 AVHRR _____
 ESTIMATED ----- 12 NOV 97
 SSM/I



ICEBERG INFORMATION CAN BE FOUND ON OUR
 WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
 SBERG01.TIF



WEDDELL SEA ICE ANALYSIS (3 OF 6)
 NATIONAL ICE CENTER
 ANALYSIS WEEK: 12 NOV 97

DATA SOURCES	LINE TYPE	DATE
RADARSAT	---	
RECONNAISSANCE	---	
DMSP OLS	---	
AVHRR	---	
ESTIMATED	---	
SSM/I	---	12 NOV

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF

WEDDELL SEA ICE ANALYSIS (4 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: 12 NOV 97

DATA SOURCES LINE TYPES DATE

RADARSAT _____

RECONNAISSANCE _____

DMSP OLS _____

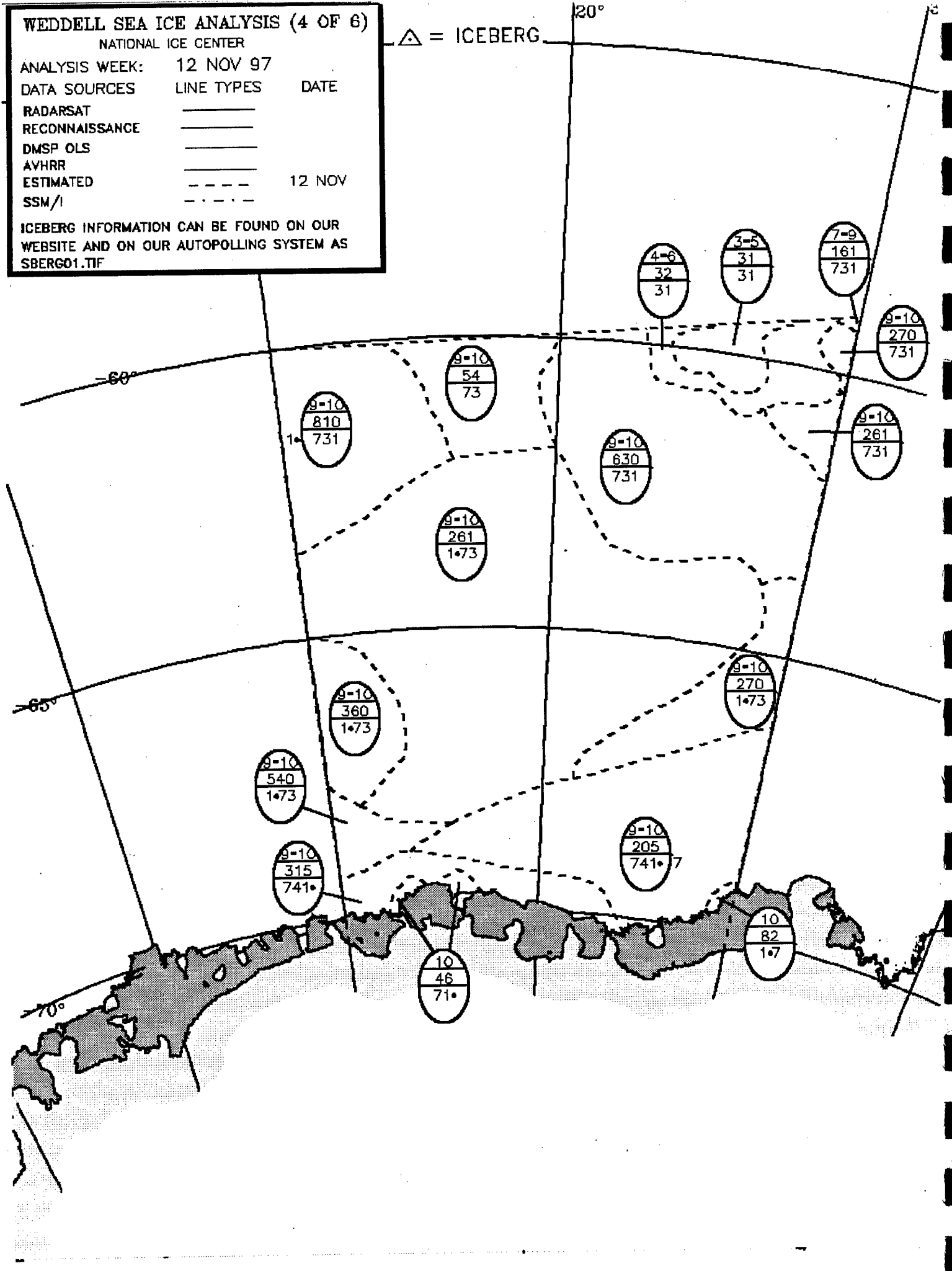
AVHRR _____

ESTIMATED ----- 12 NOV

SSM/I 12 NOV

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG



WEDDELL SEA ICE ANALYSIS (5 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: WEEK OF 10 NOV 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

AVHRR

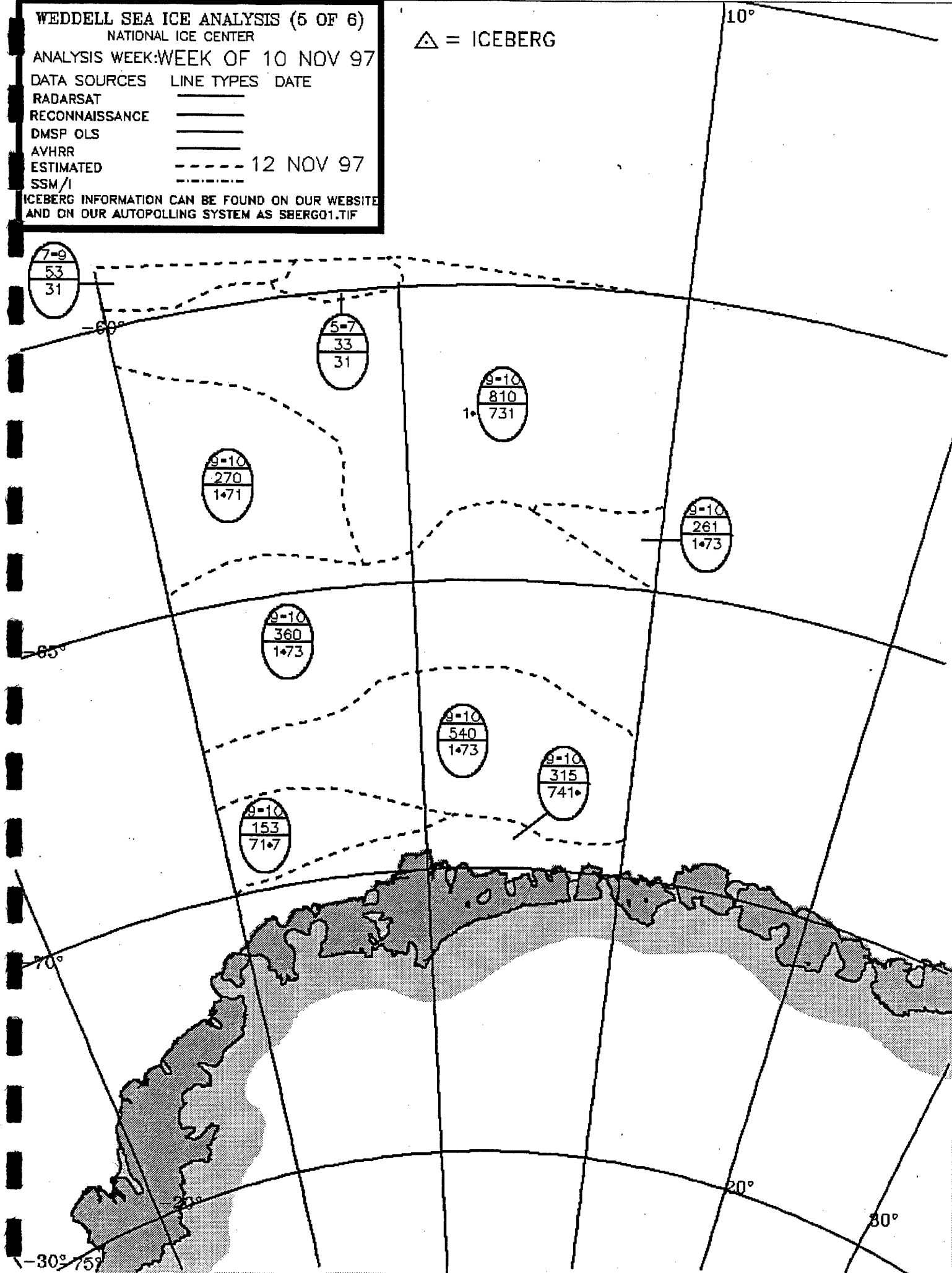
ESTIMATED

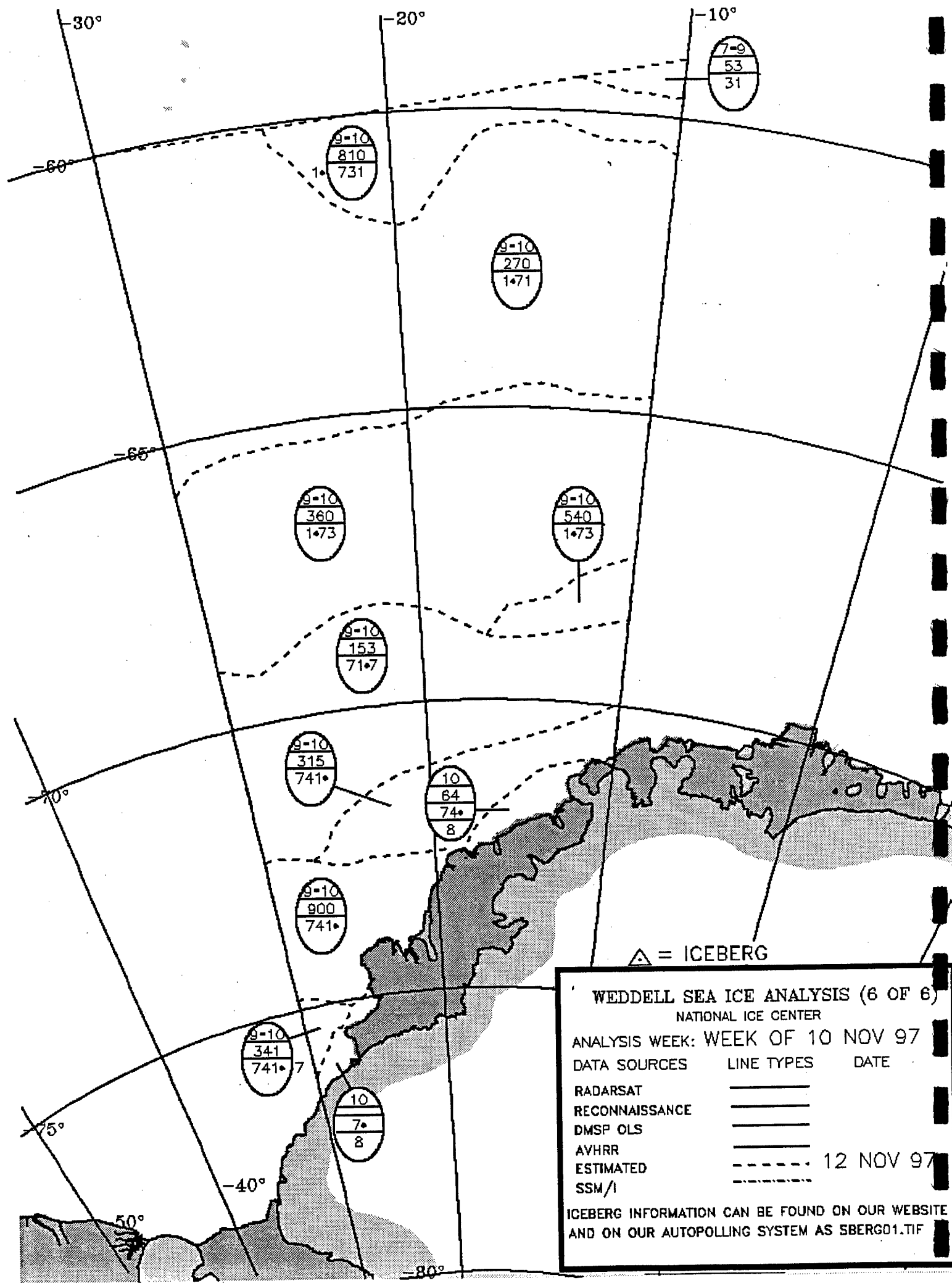
SSM/I

----- 12 NOV 97

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE
AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF

△ = ICEBERG



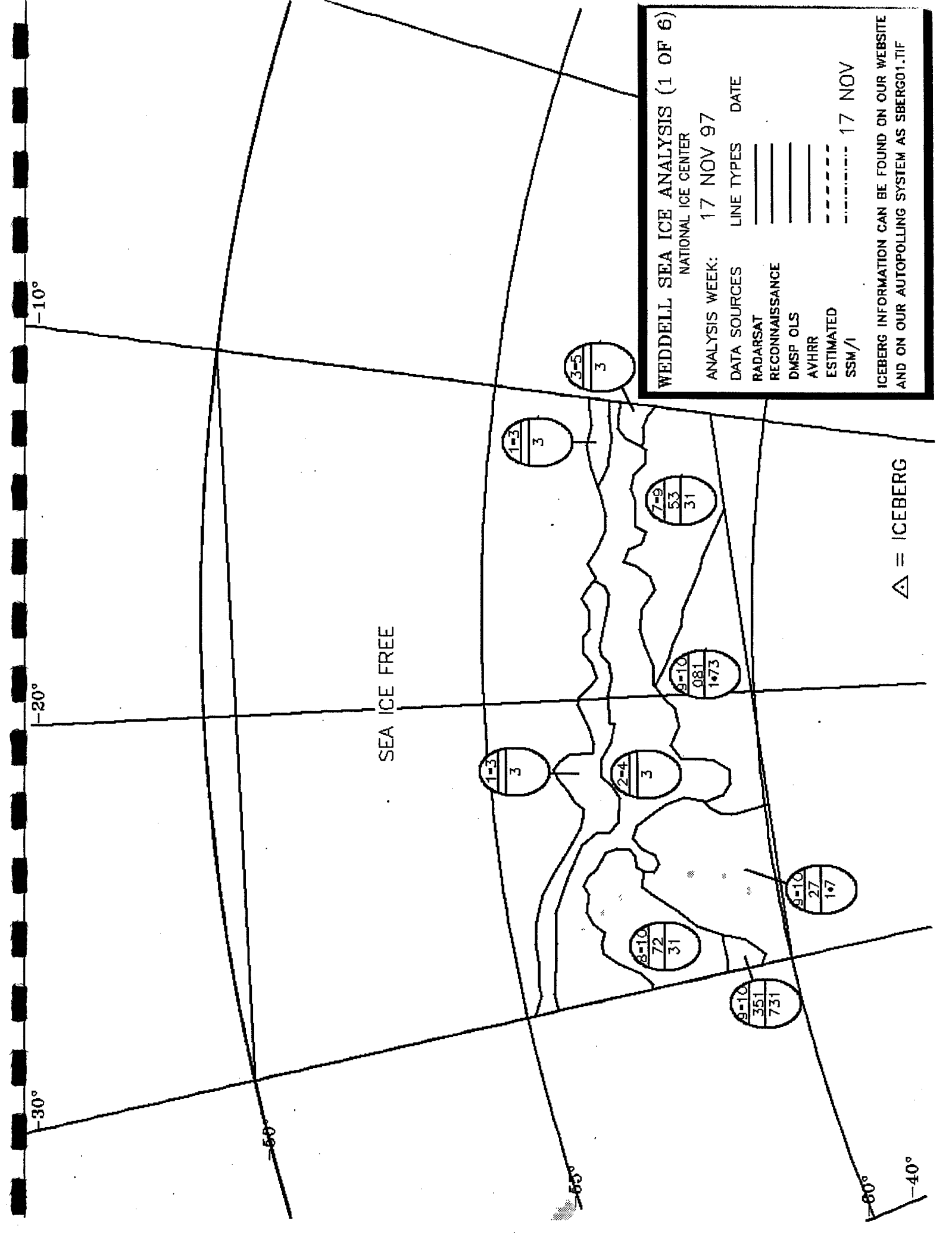


△ = ICEBERG

WEDDELL SEA ICE ANALYSIS (6 OF 6)
 NATIONAL ICE CENTER
 ANALYSIS WEEK: WEEK OF 10 NOV 97

DATA SOURCES	LINE TYPES	DATE
RADARSAT	_____	12 NOV 97
RECONNAISSANCE	_____	
DMSP OLS	_____	
AVHRR	_____	
ESTIMATED	-----	
SSM/I	-----	

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE
 AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF



WEDDELL SEA ICE ANALYSIS (1 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: 17 NOV 97

DATA SOURCES: LINE TYPES: DATE:

RADARSAT

RECONNAISSANCE

DMSP OLS

AVHRR

ESTIMATED

SSM/I

17 NOV

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF

WEDDELL SEA ICE ANALYSIS (2 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: 17 NOV 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

AVHRR

ESTIMATED

SSM/I

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG

10°

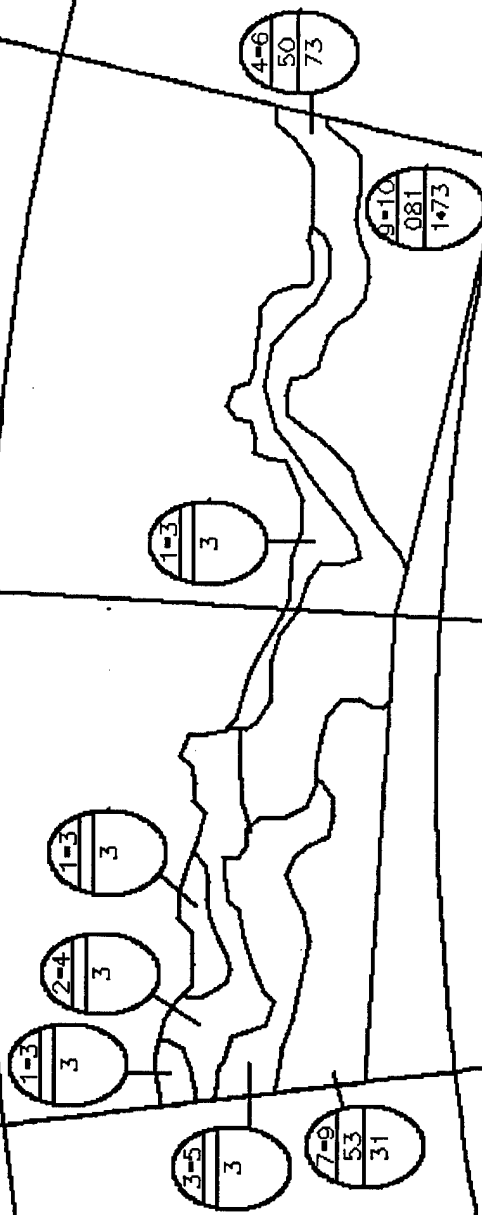
10°

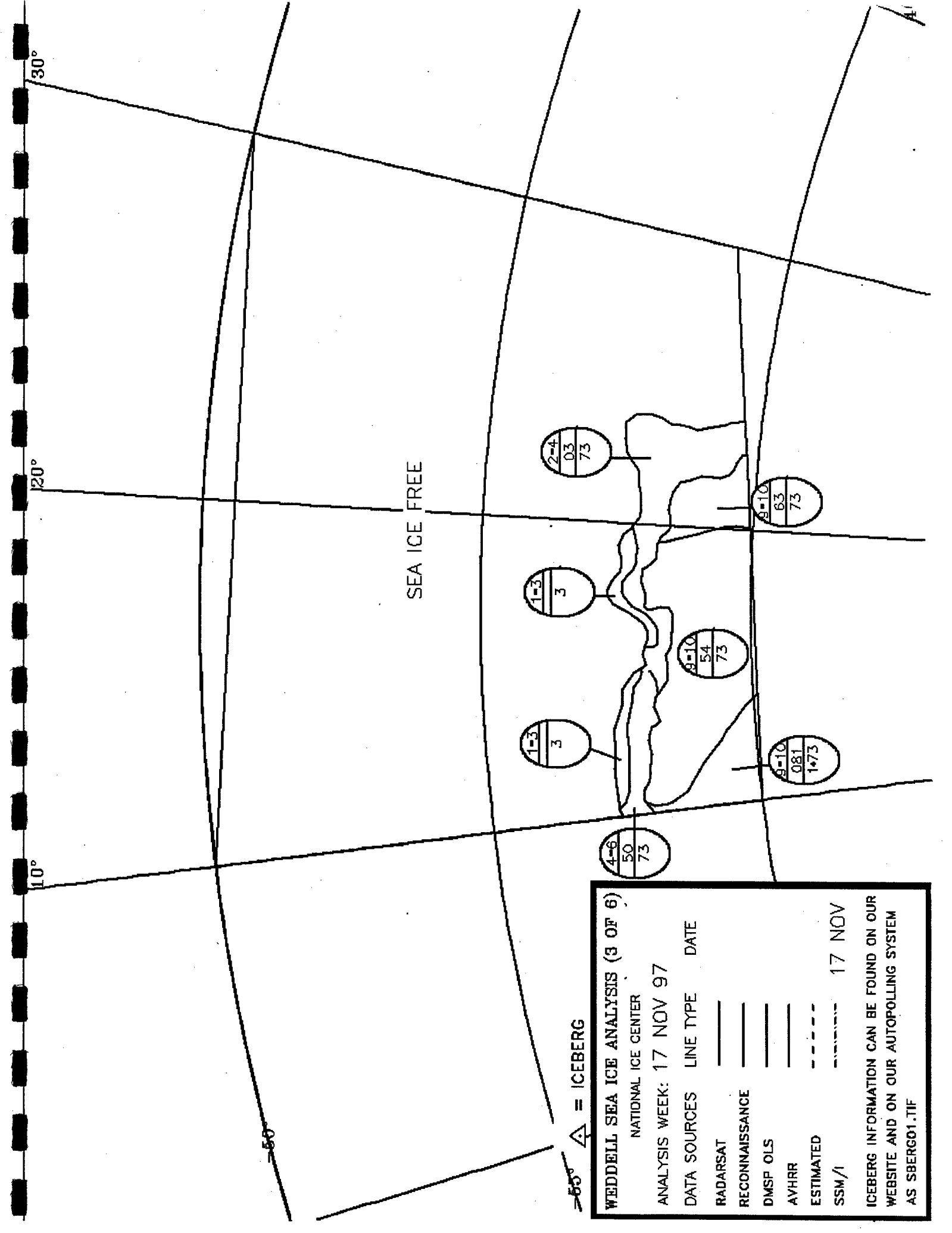
10°

60°

60°

-20°





55° Δ = ICEBERG

WEDDELL SEA ICE ANALYSIS (3 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: 17 NOV 97

DATA SOURCES LINE TYPE DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

AVHRR

ESTIMATED

SSM/I

17 NOV

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF

WEDDELL SEA ICE ANALYSIS (4 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: 17 NOV 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

AVHRR

ESTIMATED

SSM/I

17 NOV

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG

20°

A=

10
46
71•

-60°

SEA ICE FREE

9-10
081
1•73

9-10
54
73

9-10
63
73

9-10
270
1•73

9-10
360
1•73

9-10
270
1•73

9-10
540
1•73

9-10
205
741•7

9-10
315
741•

10
82
1•7
8

-70°

A

WEDDELL SEA ICE ANALYSIS (5 OF 6)

NATIONAL ICE CENTER

△ = ICEBERG

ANALYSIS WEEK: 17 NOV 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

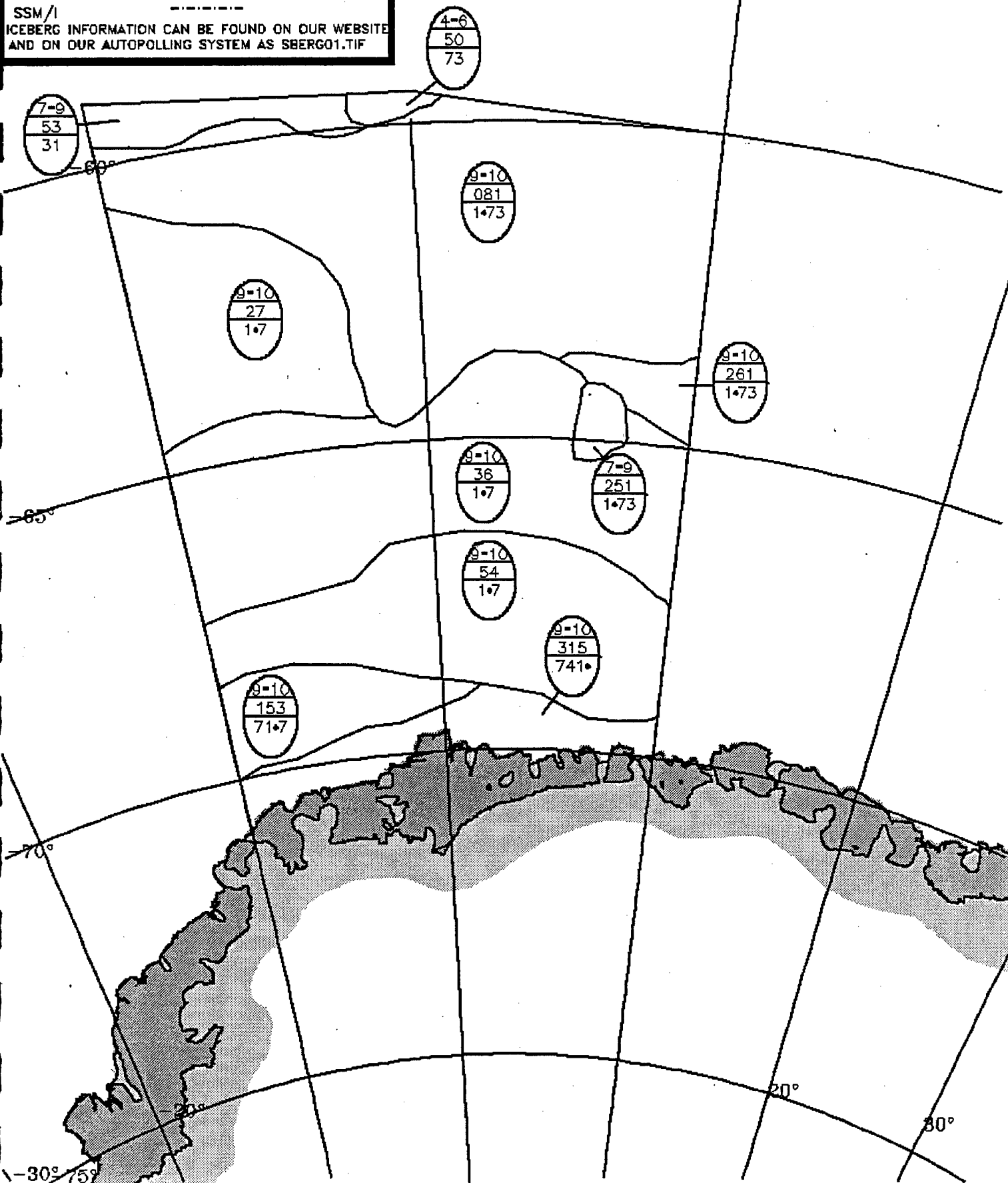
DMSF OLS

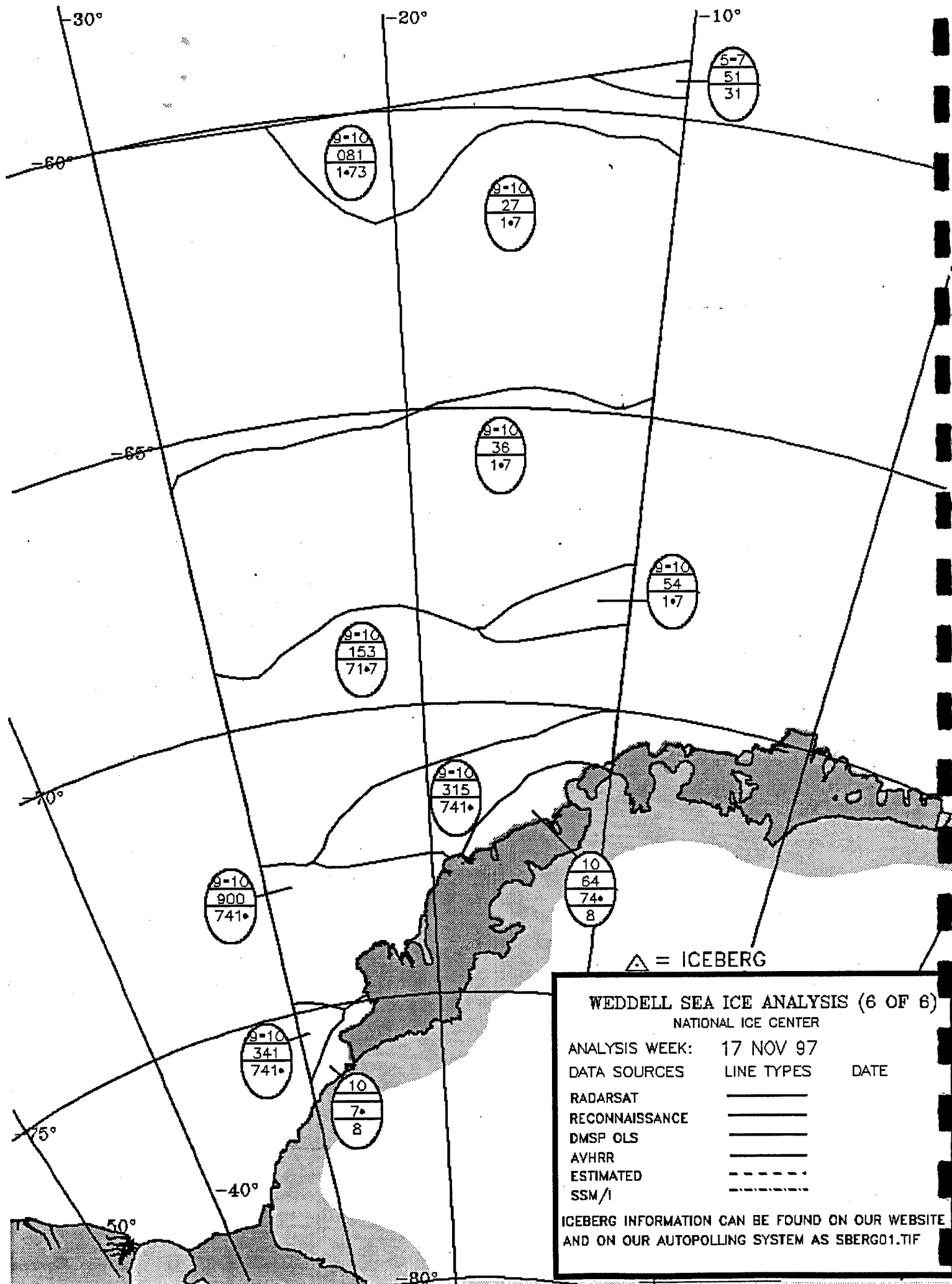
AVHRR

ESTIMATED

SSM/I

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE
AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF





WEDDELL SEA ICE ANALYSIS (6 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: 17 NOV 97

DATA SOURCES LINE TYPES DATE

RADARSAT _____

RECONNAISSANCE _____

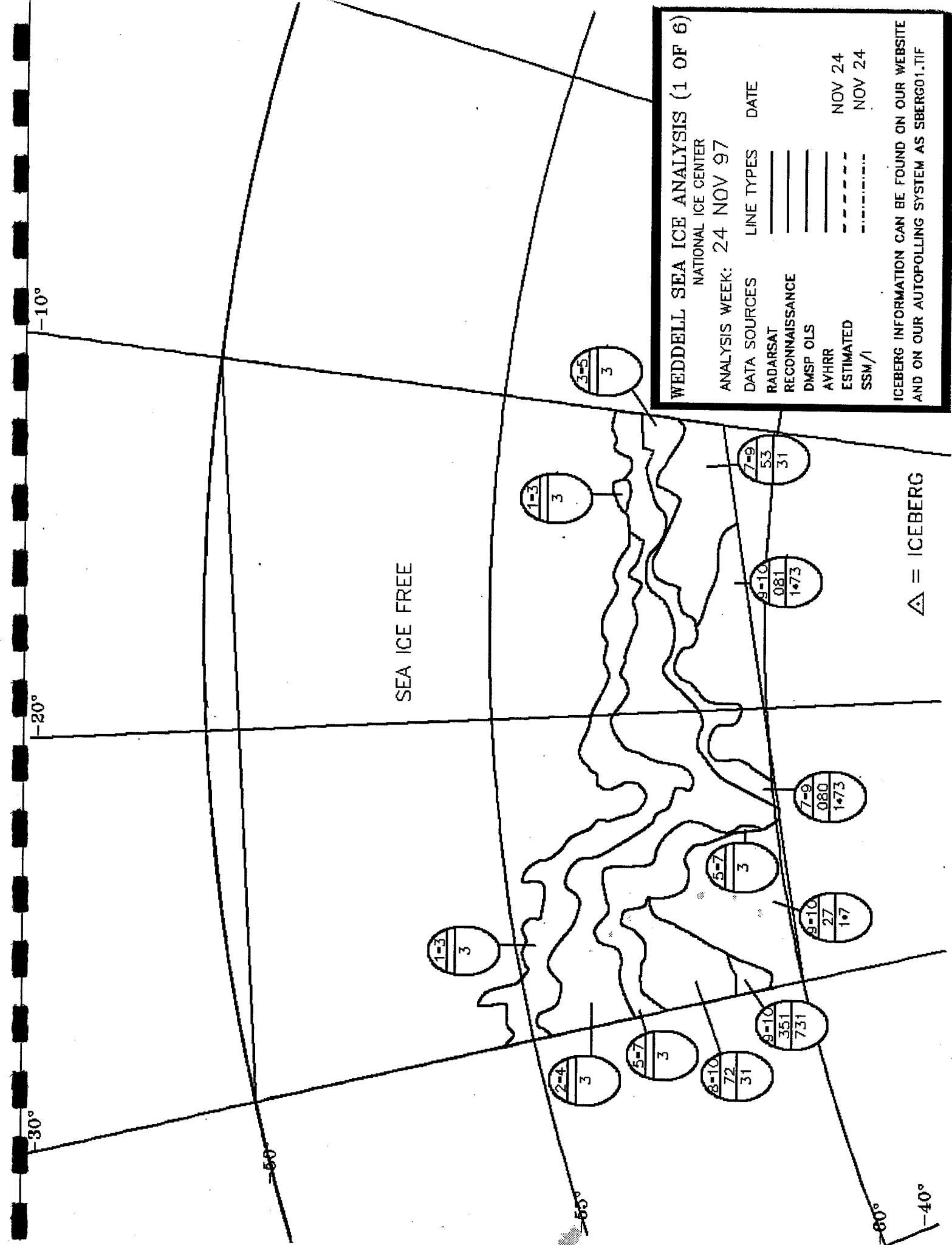
DMSP OLS _____

AVHRR _____

ESTIMATED _____

SSM/I _____

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE
AND ON OUR AUTOPOLLING SYSTEM AS SBORG01.TIF



WEDDELL SEA ICE ANALYSIS (1 OF 6)
 NATIONAL ICE CENTER
 ANALYSIS WEEK: 24 NOV 97

DATA SOURCES	LINE TYPES	DATE
RADARSAT	_____	_____
RECONNAISSANCE	_____	_____
DMSP OLS	_____	_____
AVHRR	_____	_____
ESTIMATED	-----	NOV 24
SSM/I	-----	NOV 24

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE
 AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF

WEDDELL SEA ICE ANALYSIS (2 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: 24 NOV 97

DATA SOURCES LINE TYPES DATE

RADARSAT _____ 24 NOV 97

RECONNAISSANCE _____

DMSF OLS _____

AVHRR _____

ESTIMATED -----

SSM/I -----

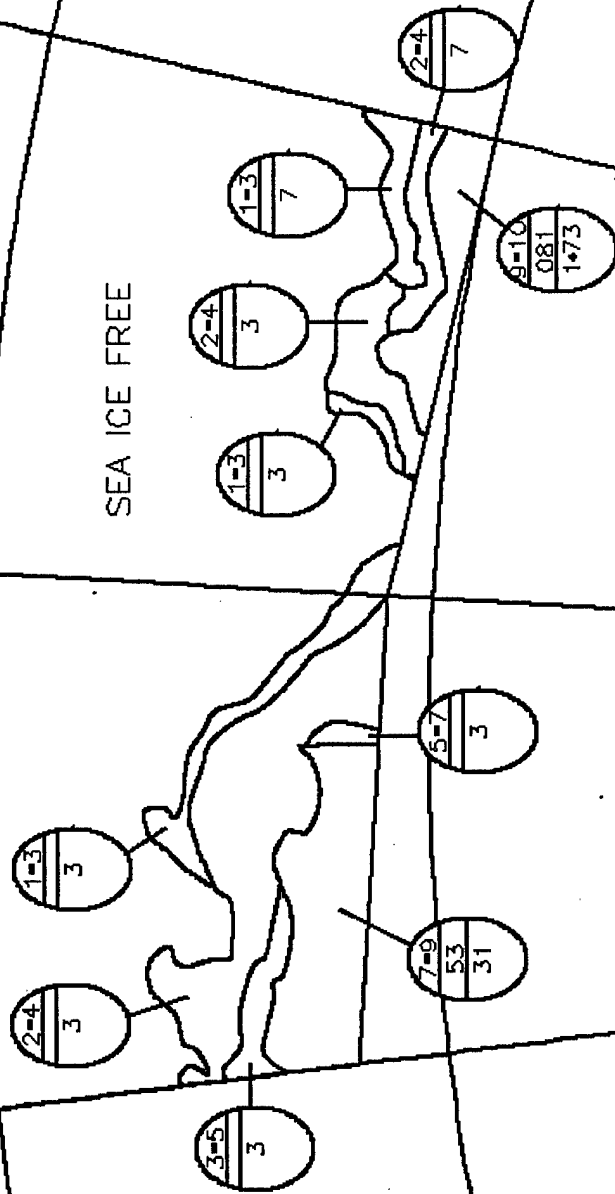
ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG

10° 10° 10°

SEA ICE FREE

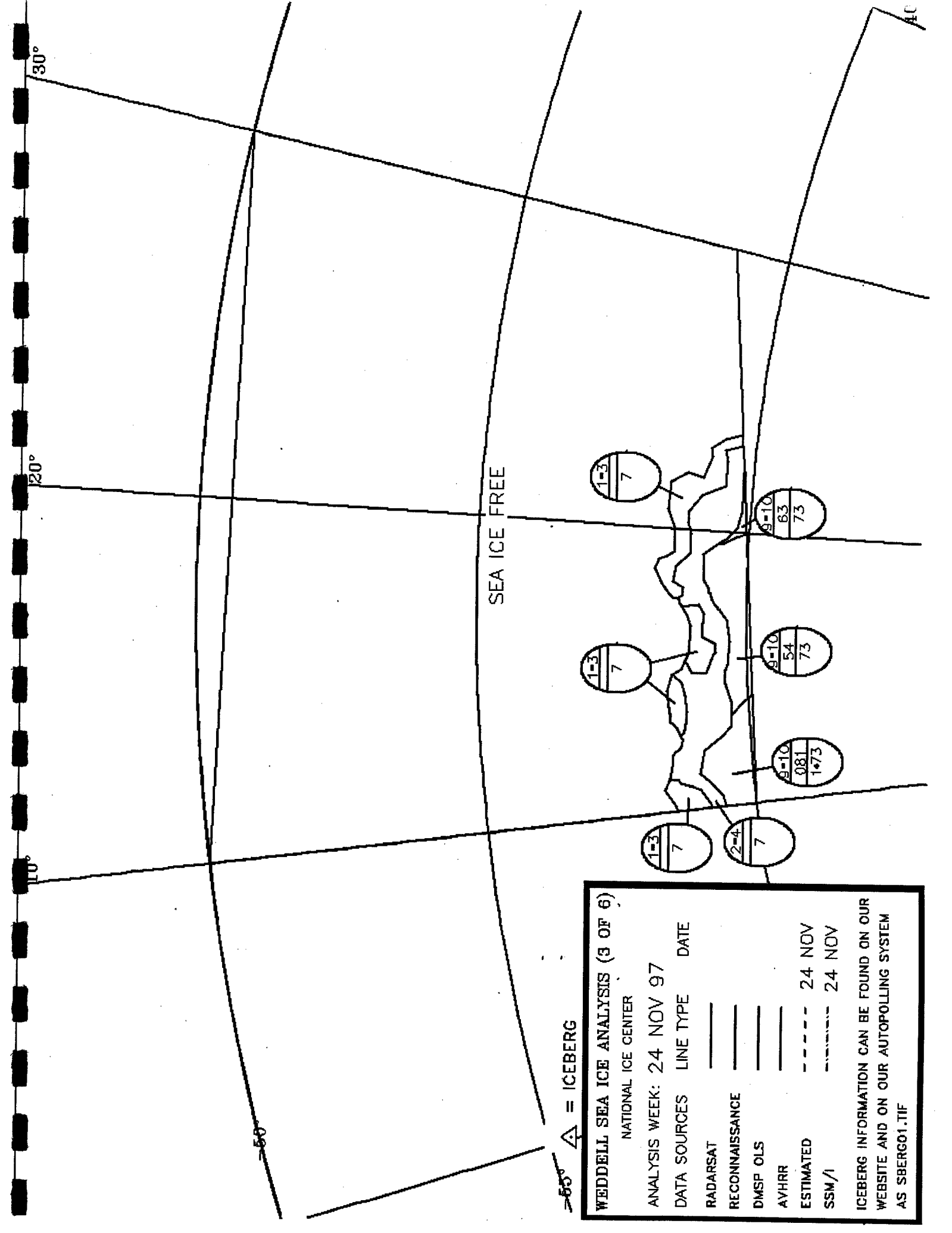
SEA ICE FREE



-20°

-65°

-80°



55° Δ = ICEBERG

WEDDELL SEA ICE ANALYSIS (3 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: 24 NOV 97

DATA SOURCES LINE TYPE DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

AVHRR

ESTIMATED

SSM/I

24 NOV

24 NOV

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF

WEDDELL SEA ICE ANALYSIS (4 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: 24 NOV 97

DATA SOURCES LINE TYPES DATE

RADARSAT
RECONNAISSANCE

DMSP OLS

AVHRR

ESTIMATED

24 NOV 97

SSM/I

24 NOV 97

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG

20°

A =

10
46
71•
8

-60°

SEA ICE FREE

9-10
081
1•73

9-10
54
73

9-10
63
73

2-4
7

1-3
7

8-10
261
1•73

9-10
261
1•73

7-9
251
1•73

9-10
360
1•73

9-10
270
1•73

9-10
54
1•7

9-10
315
741•

9-10
205
741•

10
82
1•7
8

A

70°

WEDDELL SEA ICE ANALYSIS (5 OF 6)

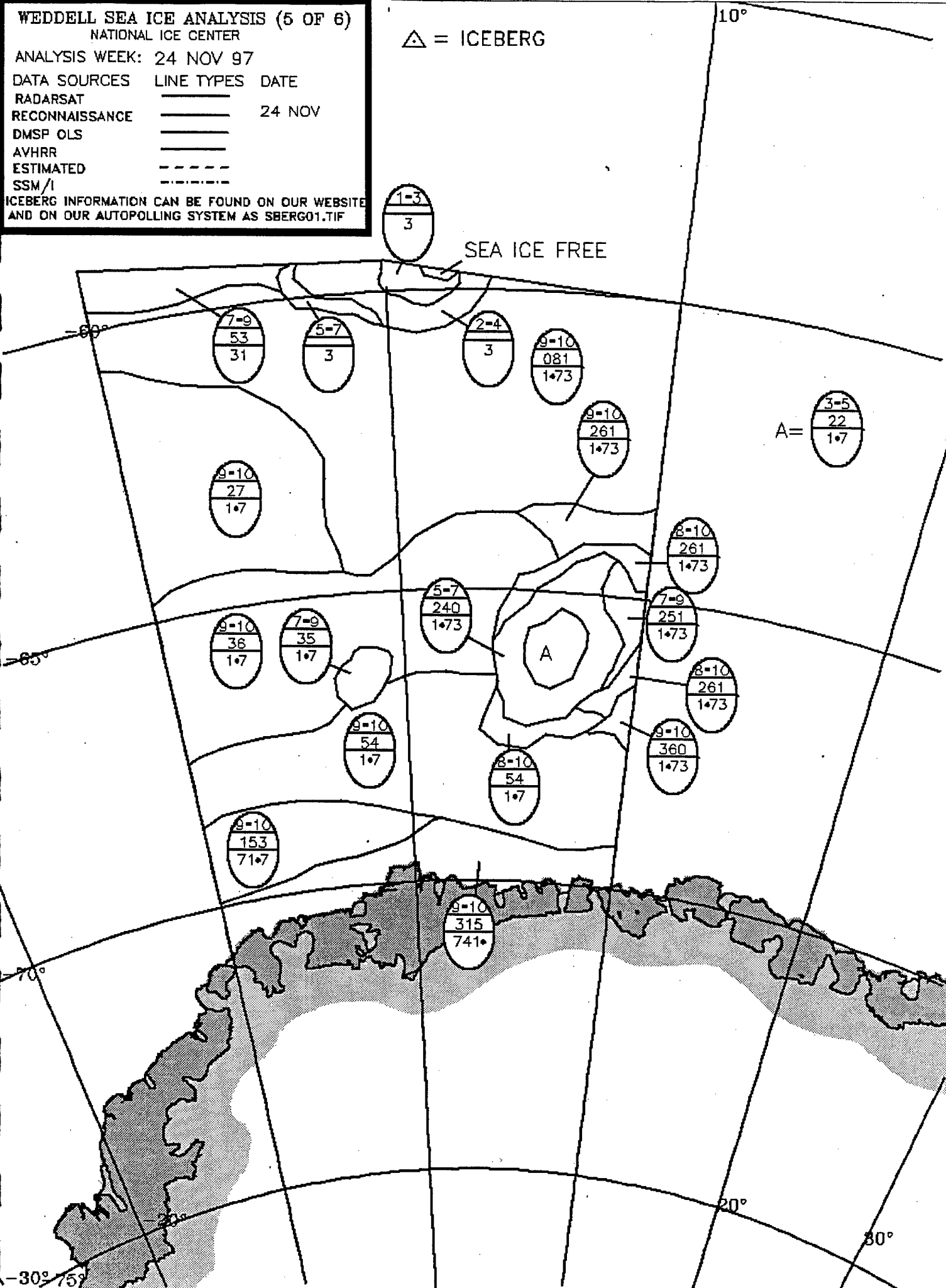
NATIONAL ICE CENTER

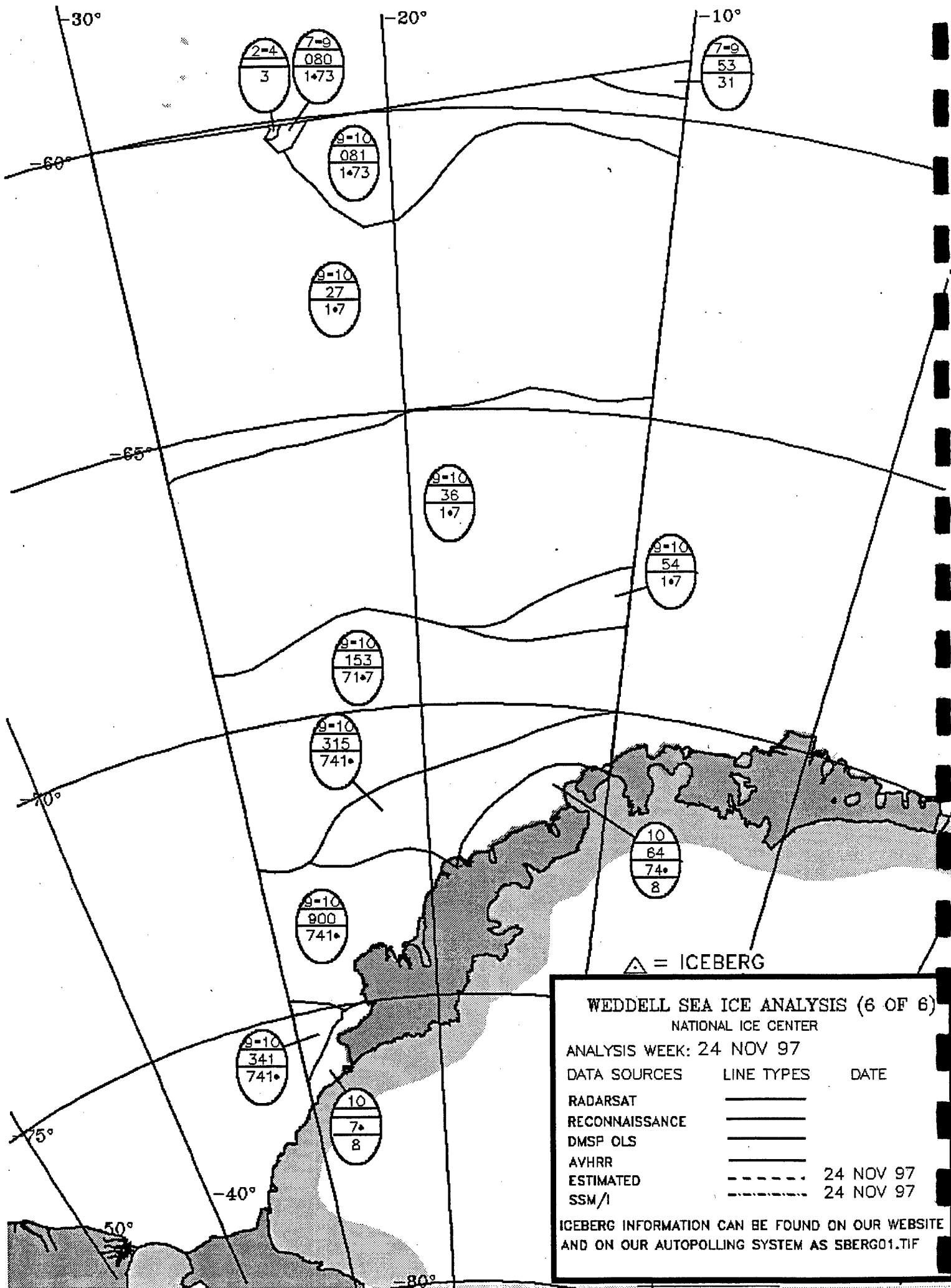
ANALYSIS WEEK: 24 NOV 97

DATA SOURCES	LINE TYPES	DATE
RADARSAT	————	24 NOV
RECONNAISSANCE	————	
DMSP OLS	————	
AVHRR	————	
ESTIMATED	-----	
SSM/I	-----	

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE
AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF

△ = ICEBERG





WEDDELL SEA ICE ANALYSIS (6 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: 24 NOV 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

AVHRR

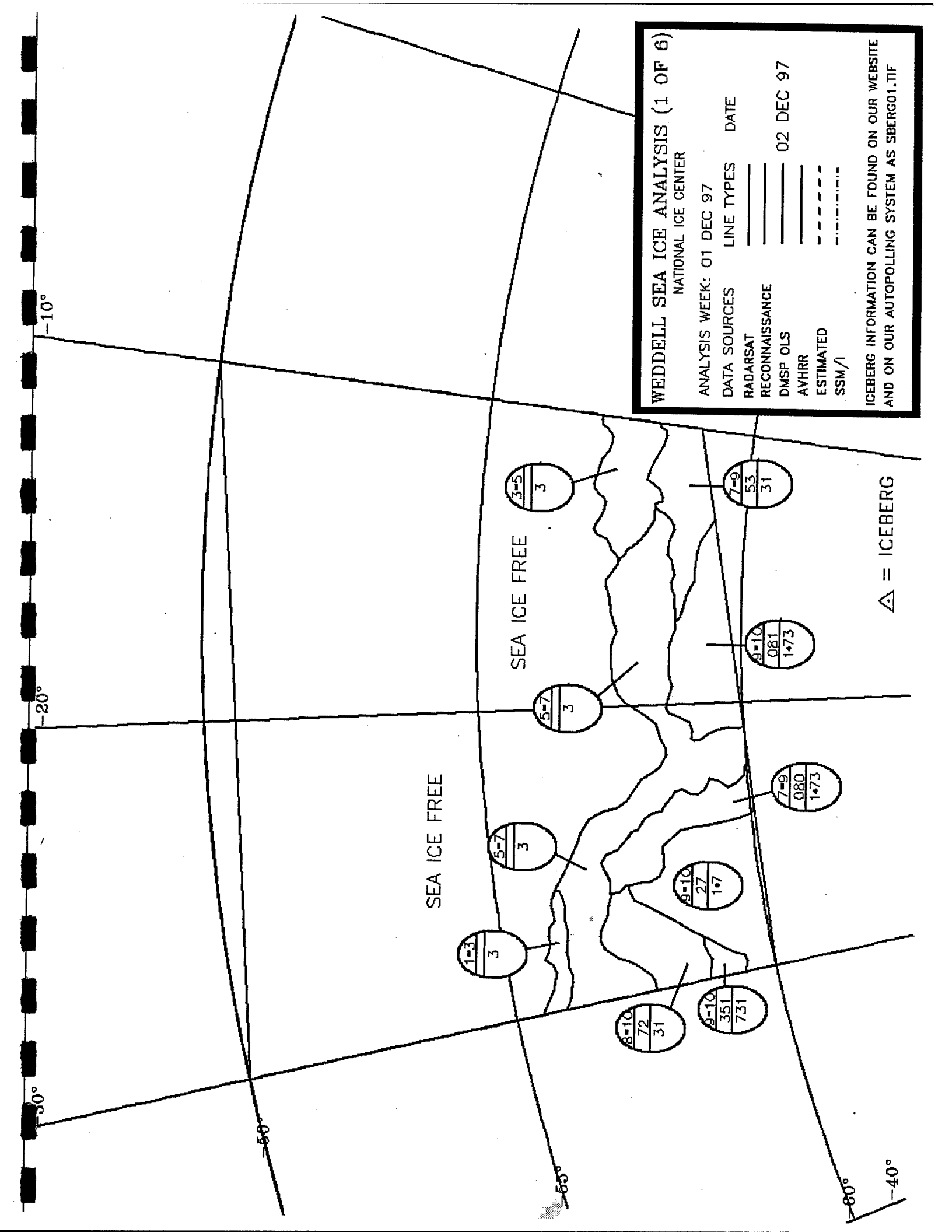
ESTIMATED

SSM/I

24 NOV 97

24 NOV 97

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE
AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF



WEDDELL SEA ICE ANALYSIS (1 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK:	01 DEC 97	LINE TYPES	DATE
DATA SOURCES			
RADARSAT			
RECONNAISSANCE			
DMSF OLS			02 DEC 97
AVHRR			
ESTIMATED			
SSM/I			

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE
AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF

WEDDELL SEA ICE ANALYSIS (2 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: 01 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSP OLS 02 DEC 97

AVHRR

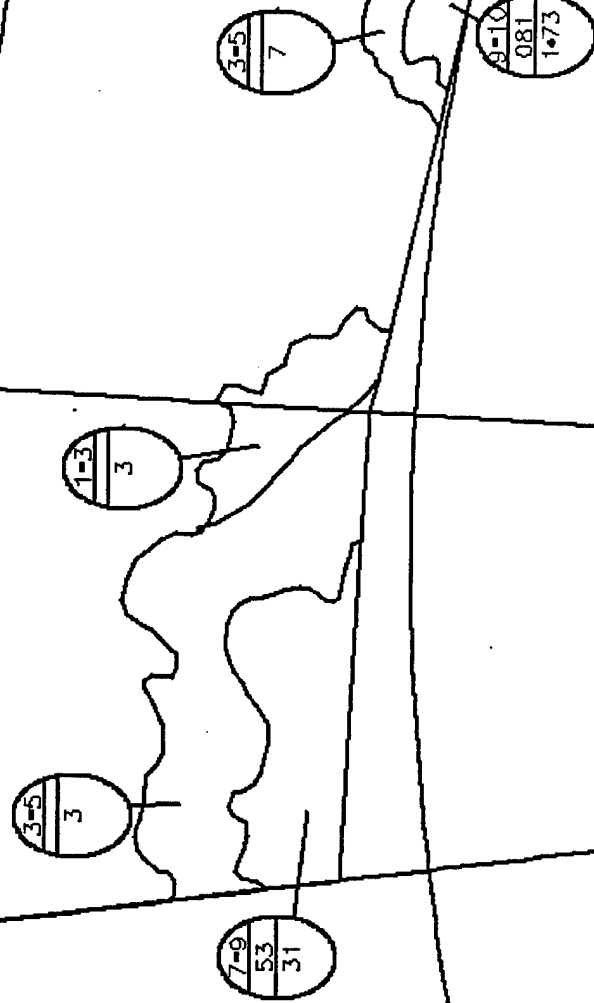
ESTIMATED

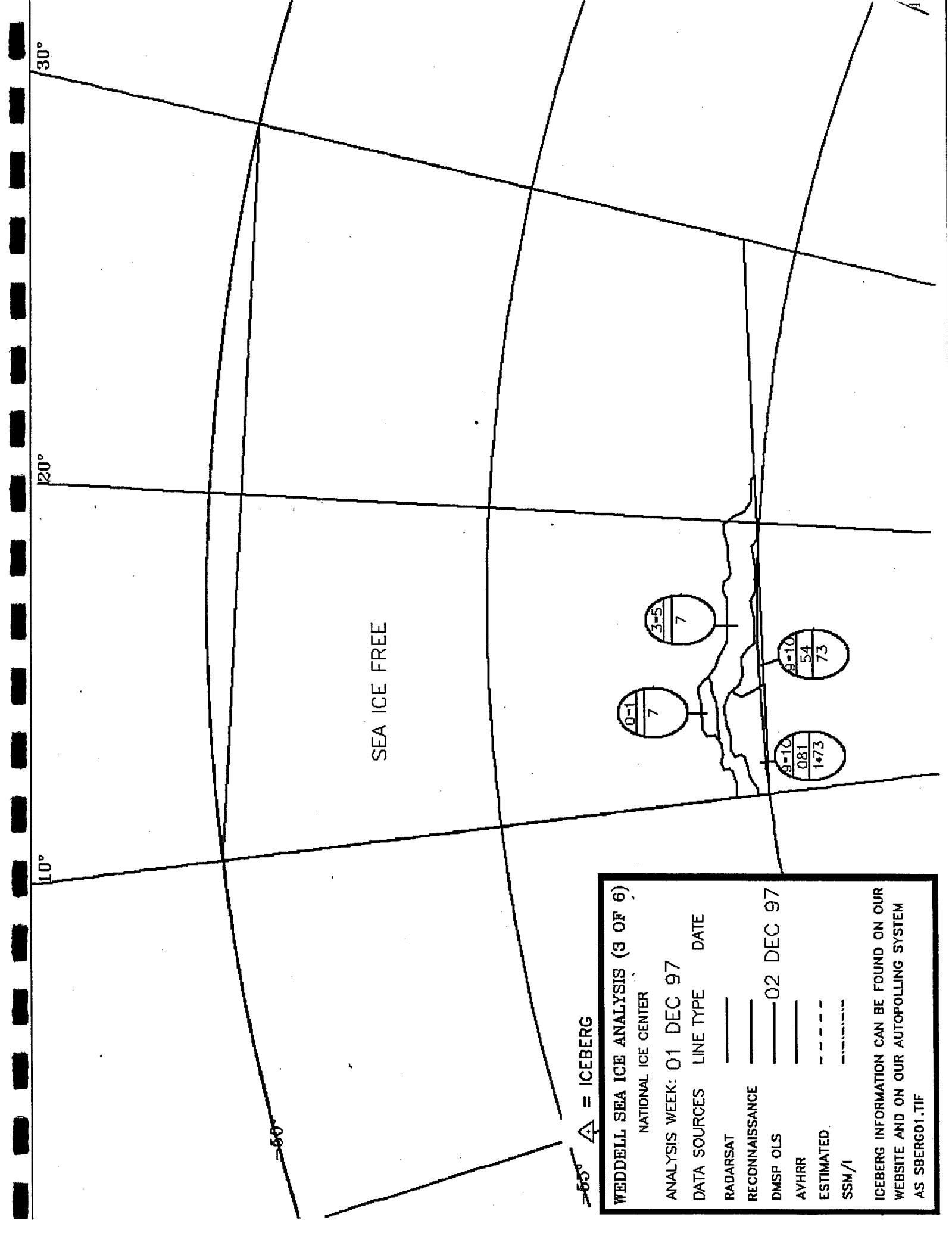
SSM/I

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG

SEA ICE FREE





WEDDELL SEA ICE ANALYSIS (4 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: 01 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT
RECONNAISSANCE

DMSP OLS

AVHRR

ESTIMATED 02 DEC

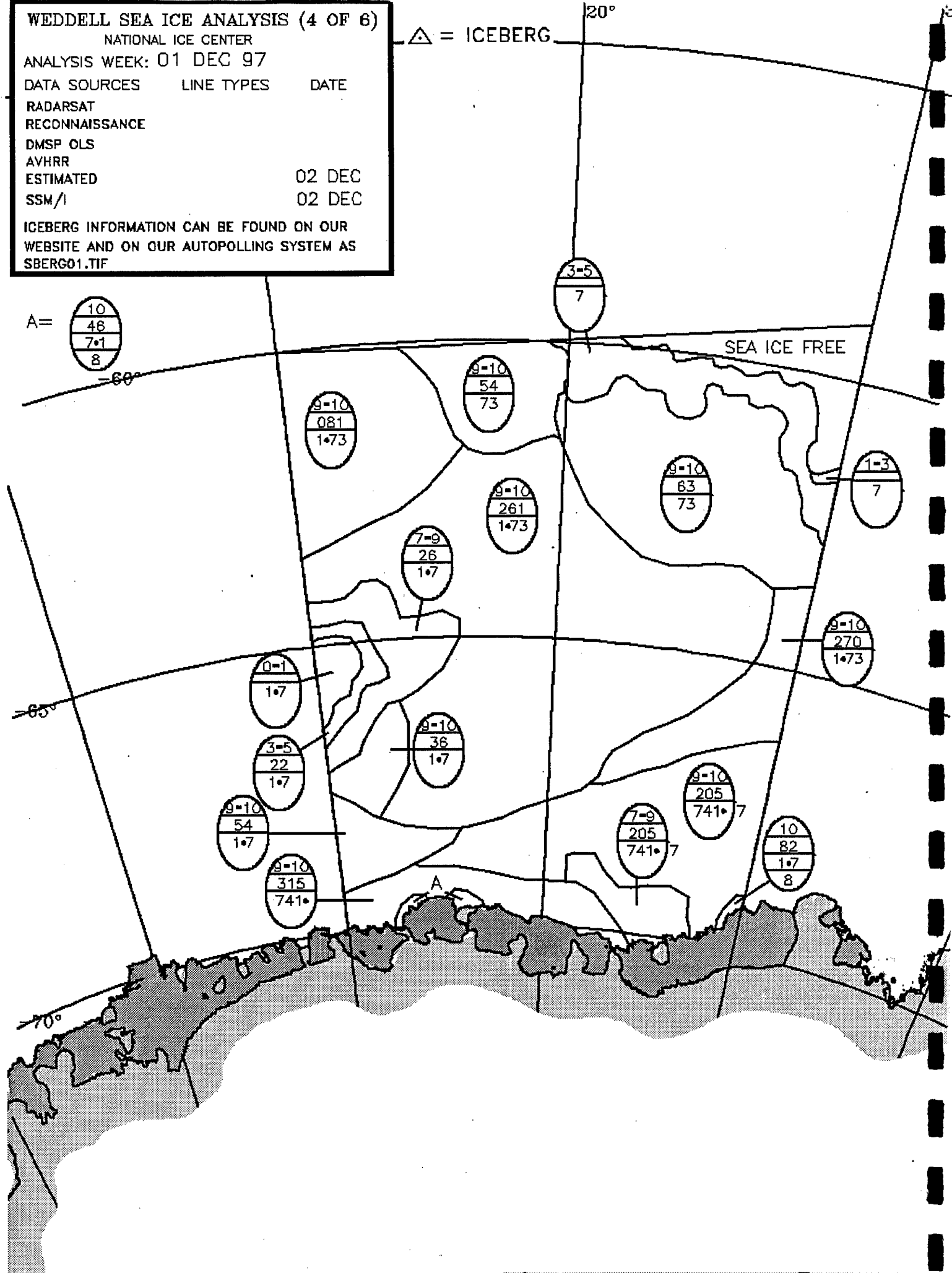
SSM/I 02 DEC

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG

A=

10
46
7.1
8



WEDDELL SEA ICE ANALYSIS (9 OF 9)
NATIONAL ICE CENTER

ANALYSIS WEEK: 01 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

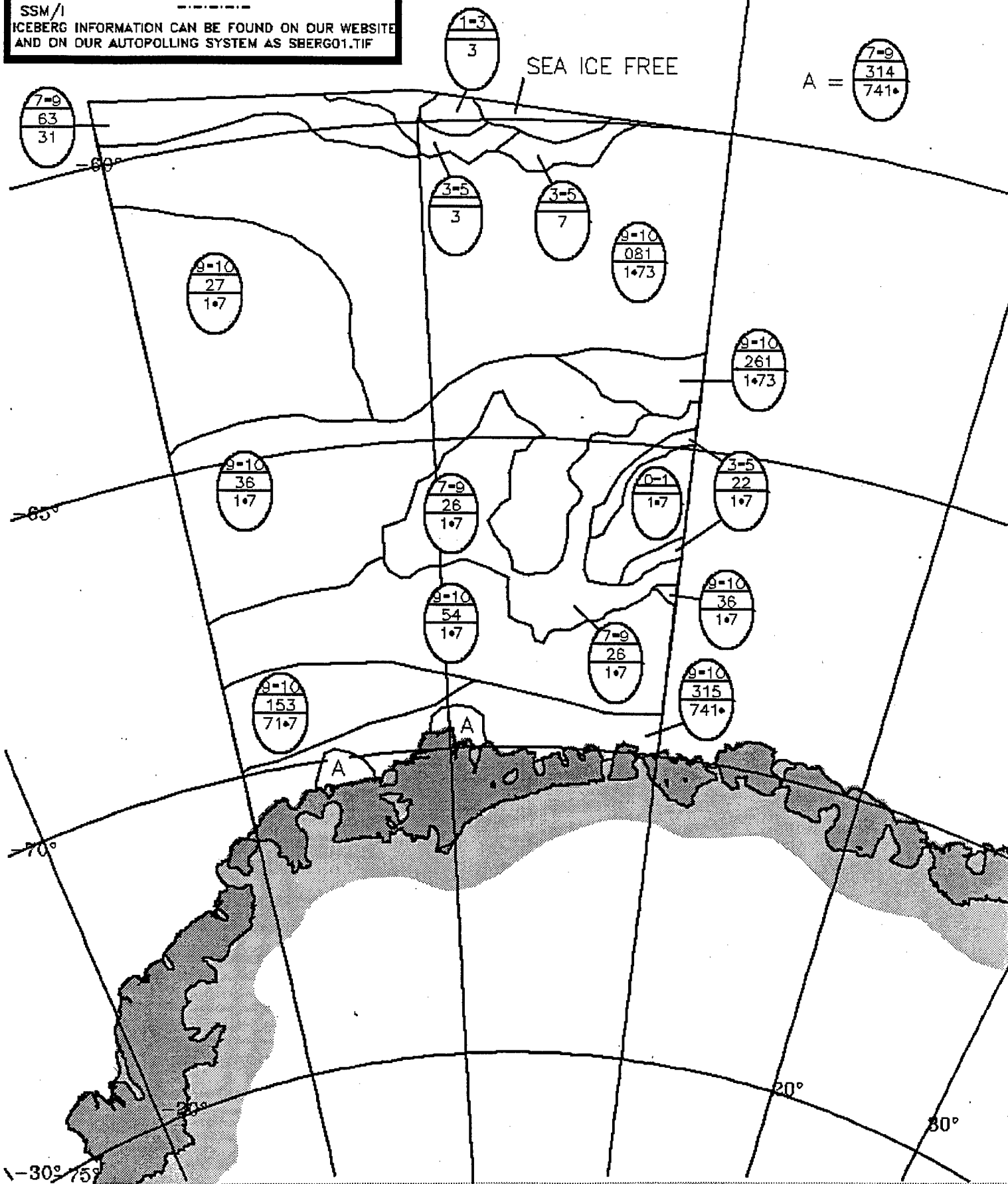
AVHRR

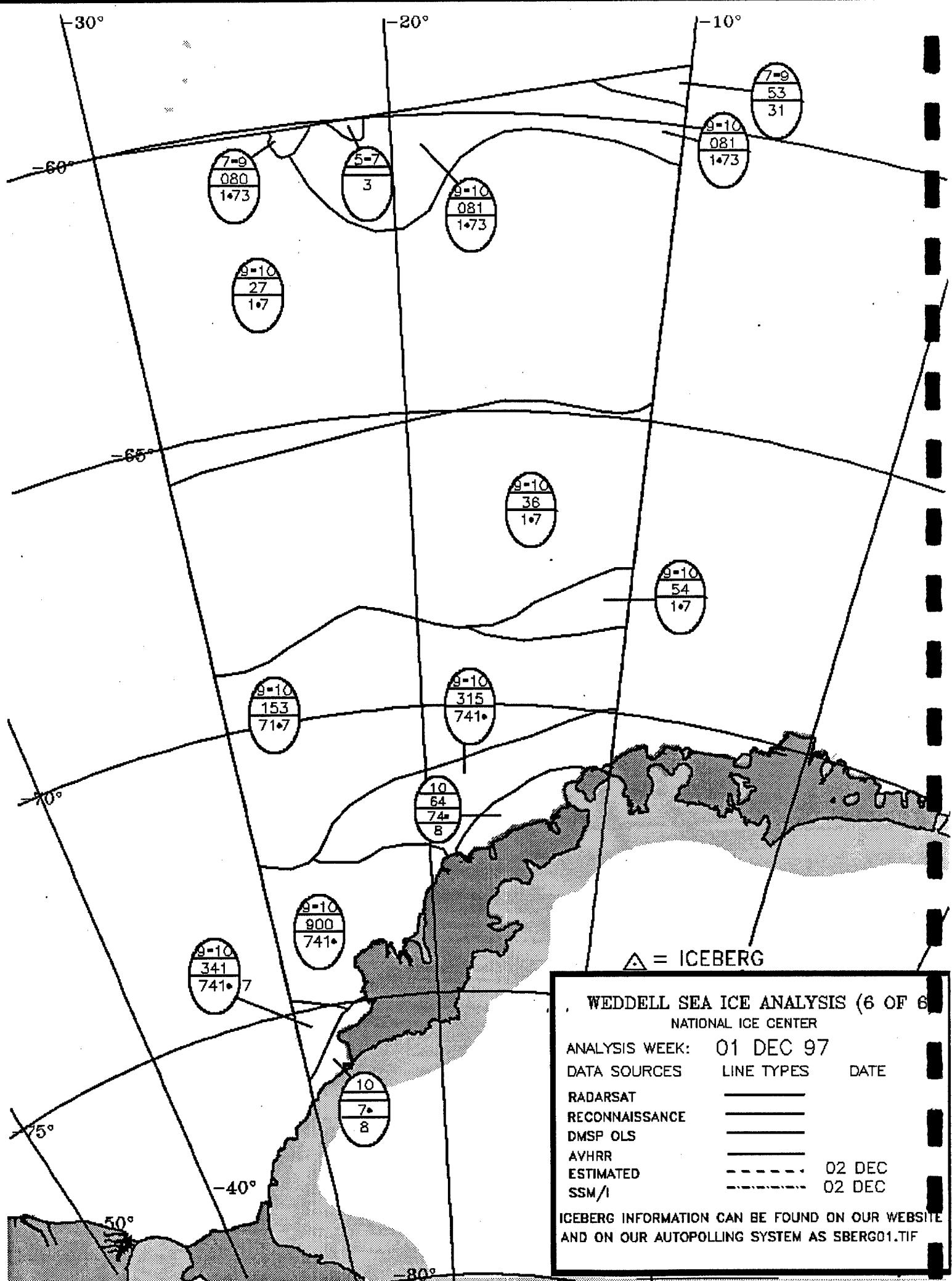
ESTIMATED

SSM/I

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE
AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF

△ = ICEBERG

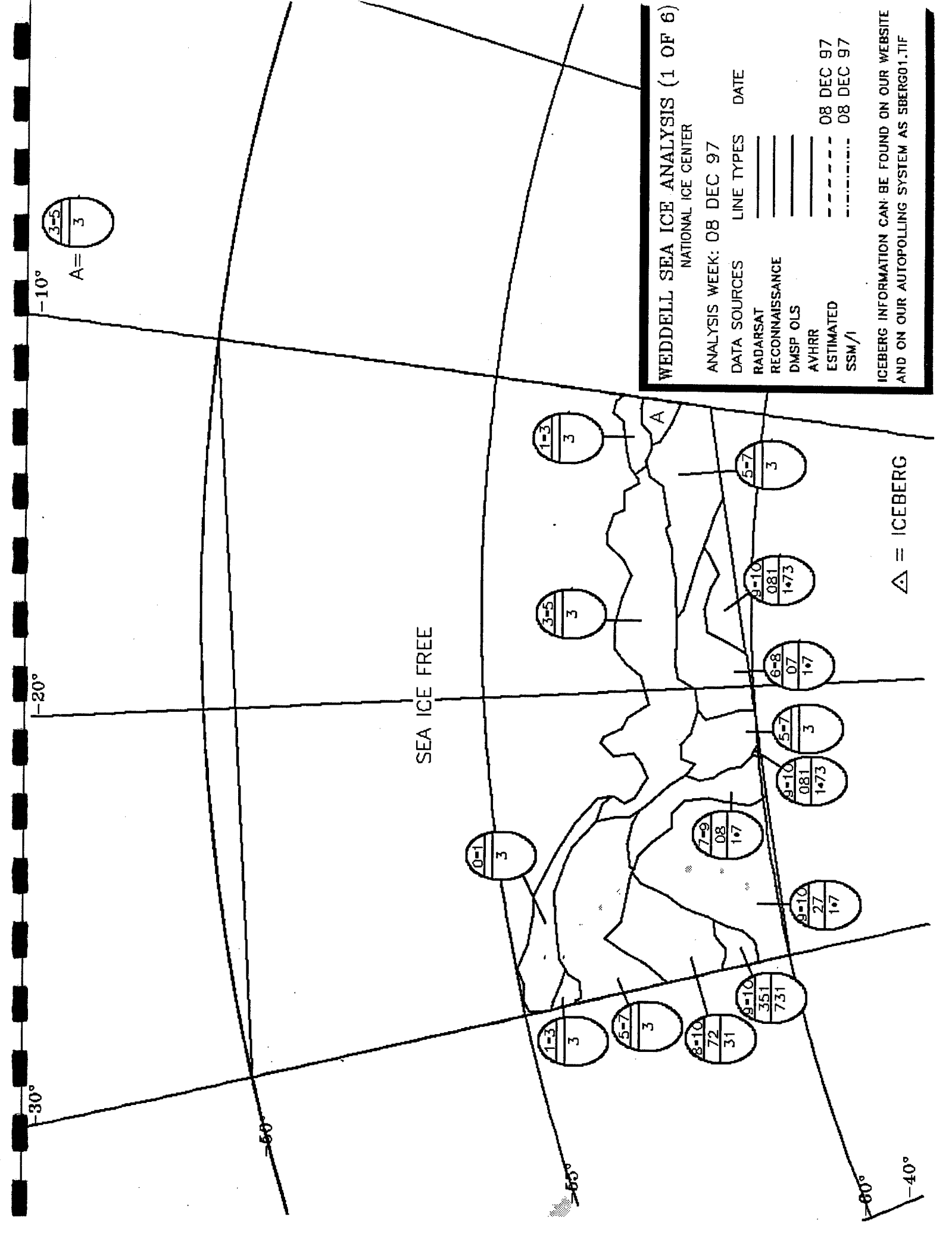




WEDDELL SEA ICE ANALYSIS (6 OF 6) NATIONAL ICE CENTER

ANALYSIS WEEK: 01 DEC 97
 DATA SOURCES LINE TYPES DATE
 RADARSAT _____
 RECONNAISSANCE _____
 DMSP OLS _____
 AVHRR _____
 ESTIMATED ----- 02 DEC
 SSM/I ----- 02 DEC

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE
 AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF



WEDDELL SEA ICE ANALYSIS (1 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: 08 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

AVHRR

ESTIMATED

SSM/I

08 DEC 97

08 DEC 97

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE
AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF

WEDDELL SEA ICE ANALYSIS (2 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: 08 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

AVHRR

ESTIMATED

SSM/I

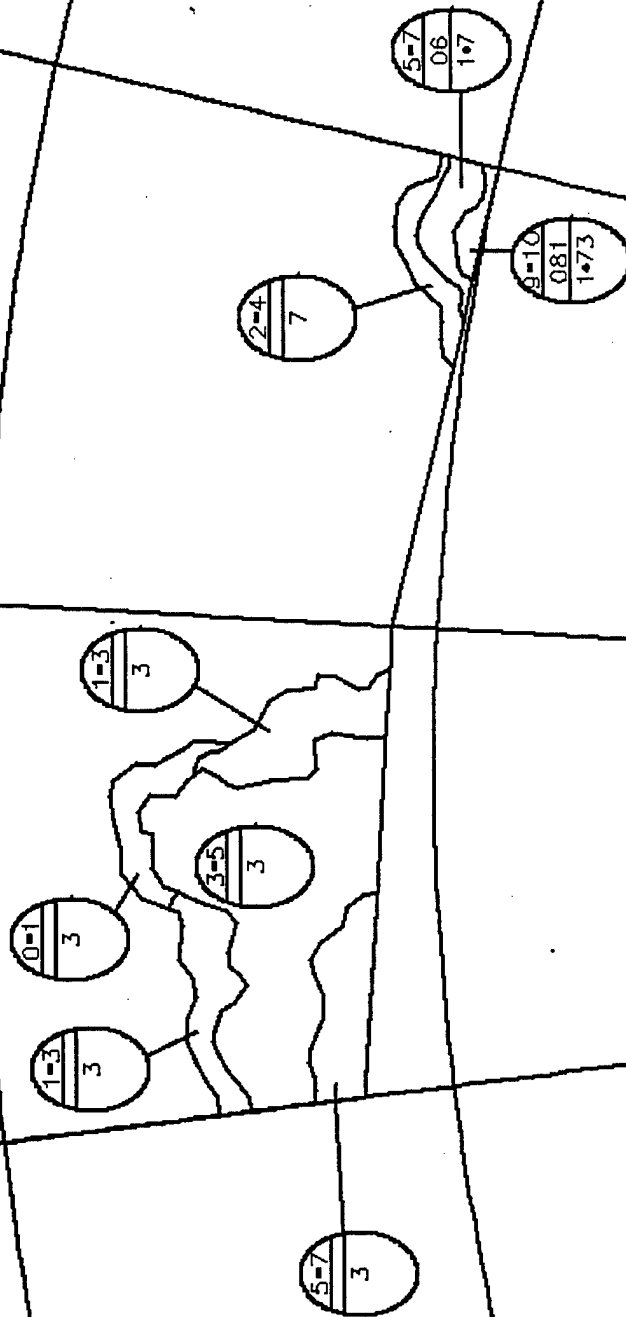
08 DEC

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS SBREG01.TIF

△ = ICEBERG

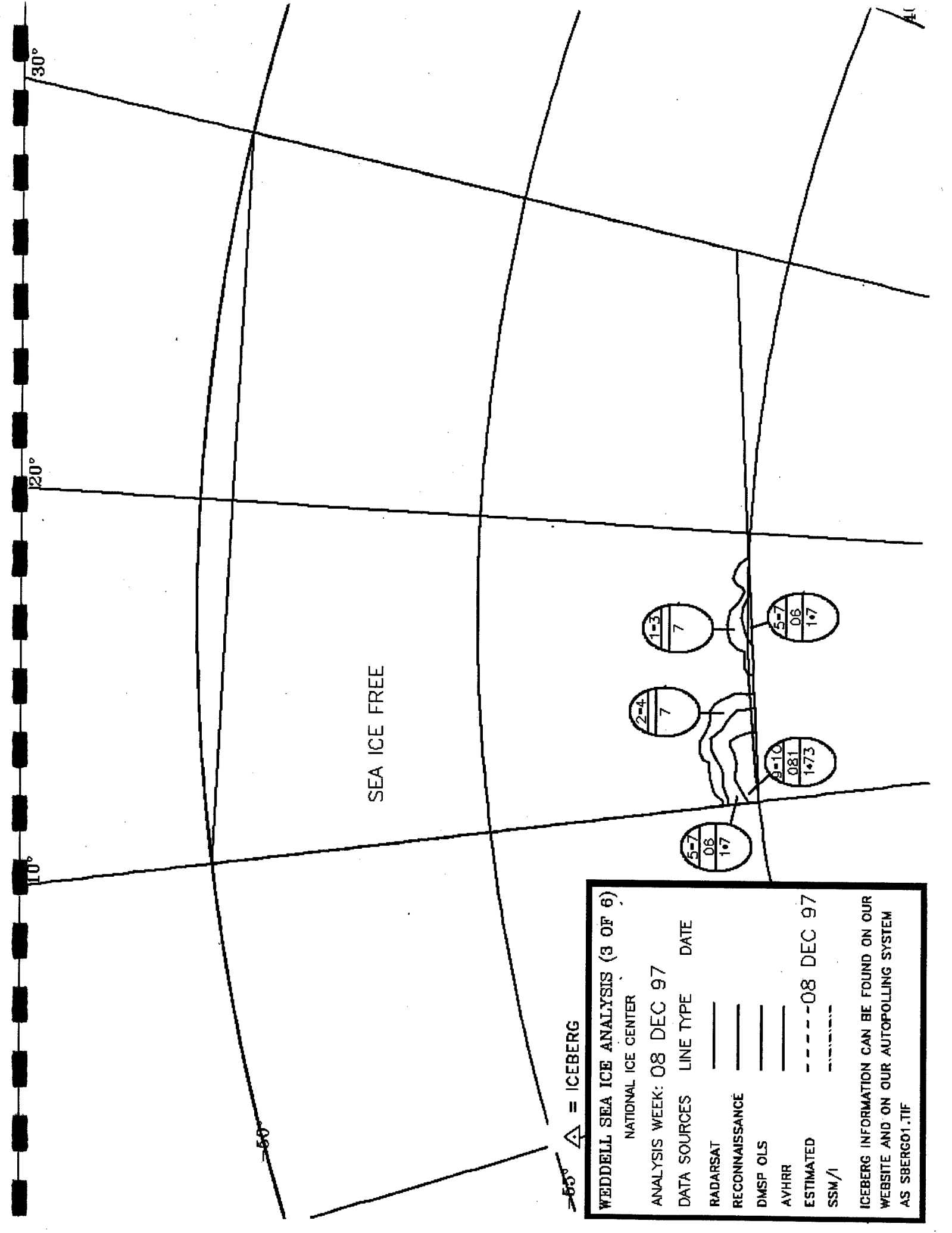
10° 0° 10°

SEA ICE FREE



-20°

21



50°  = ICEBERG

WEDDELL SEA ICE ANALYSIS (3 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: 08 DEC 97

DATE

DATA SOURCES

LINE TYPE

RADARSAT

RECONNAISSANCE

DMSP OLS

AVHRR

ESTIMATED

SSM/I

-----08 DEC 97

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF

WEDDELL SEA ICE ANALYSIS (4 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: 08 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT
RECONNAISSANCE

DMSP OLS

AVHRR

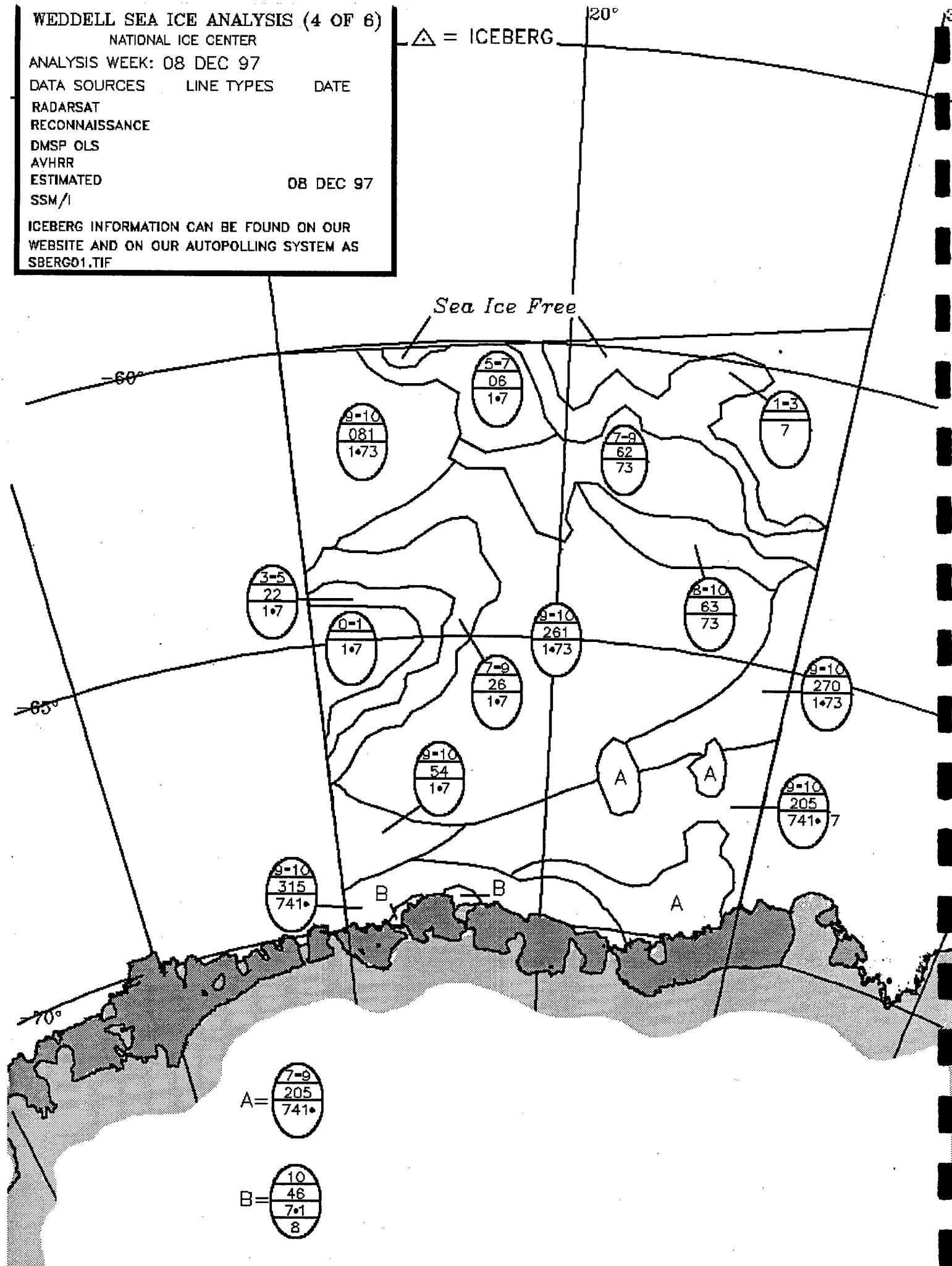
ESTIMATED

08 DEC 97

SSM/I

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG



WEDDELL SEA ICE ANALYSIS (5 OF 6)

NATIONAL ICE CENTER

△ = ICEBERG

ANALYSIS WEEK: 08 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

AVHRR

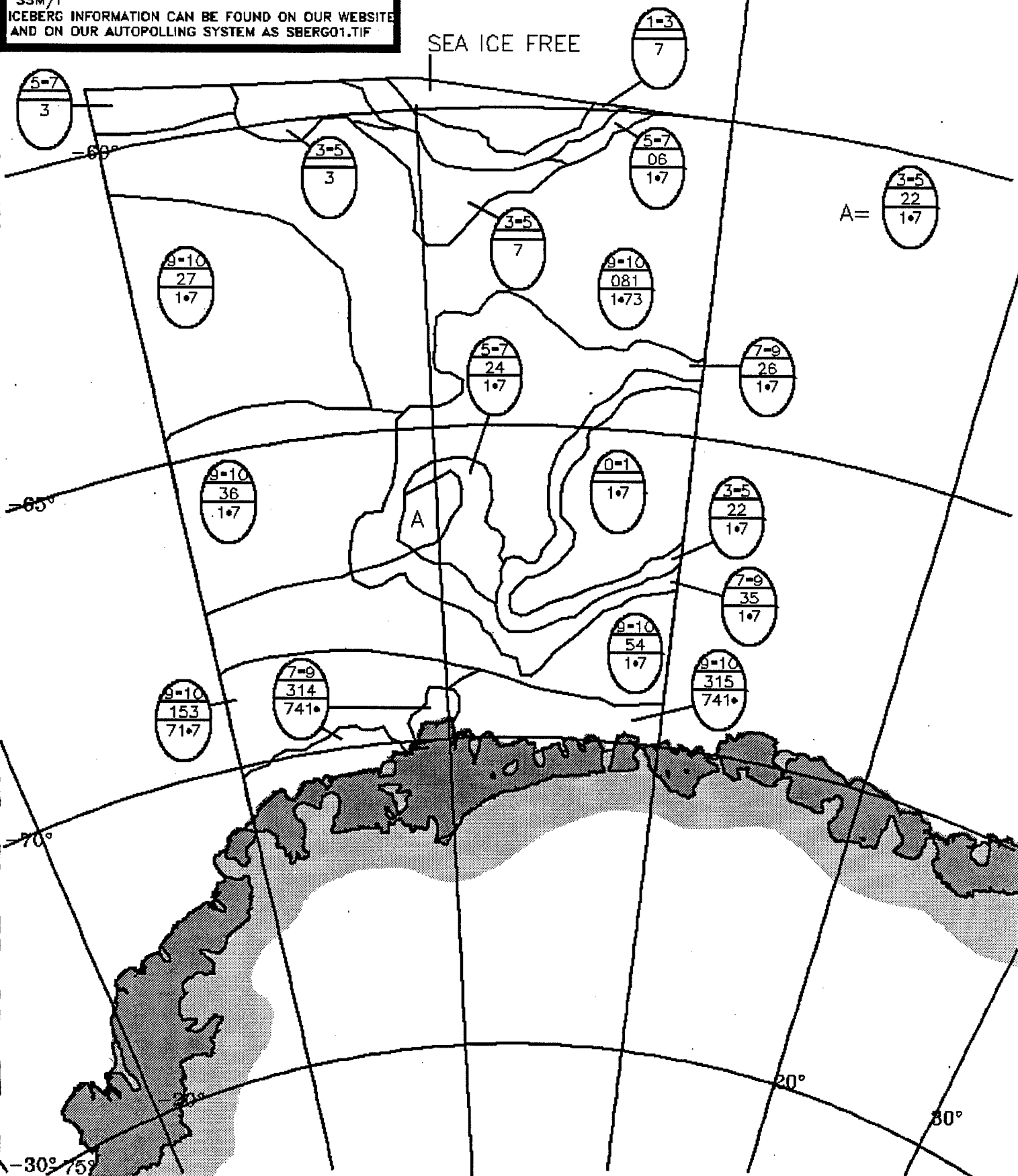
ESTIMATED

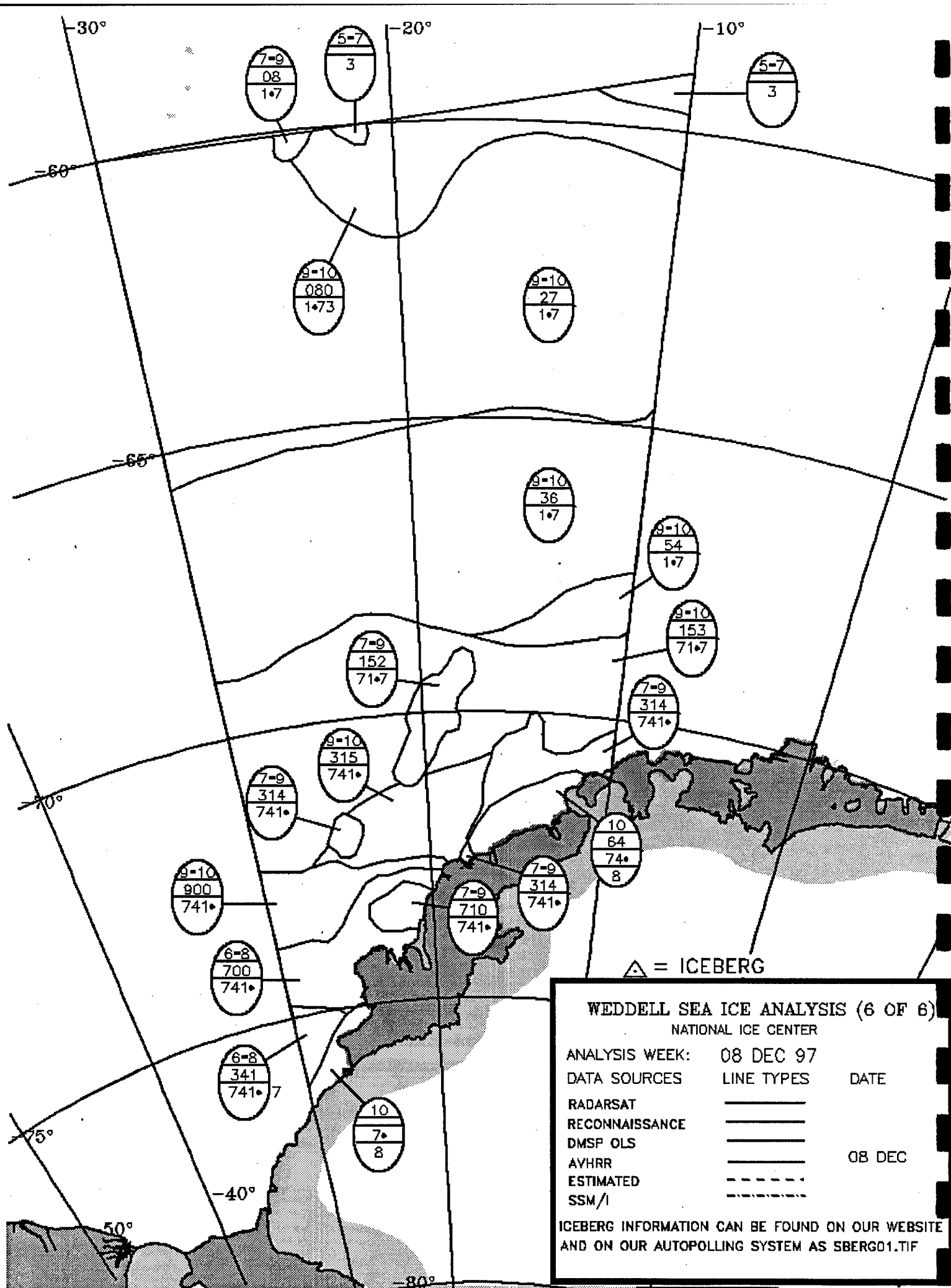
SSM/I

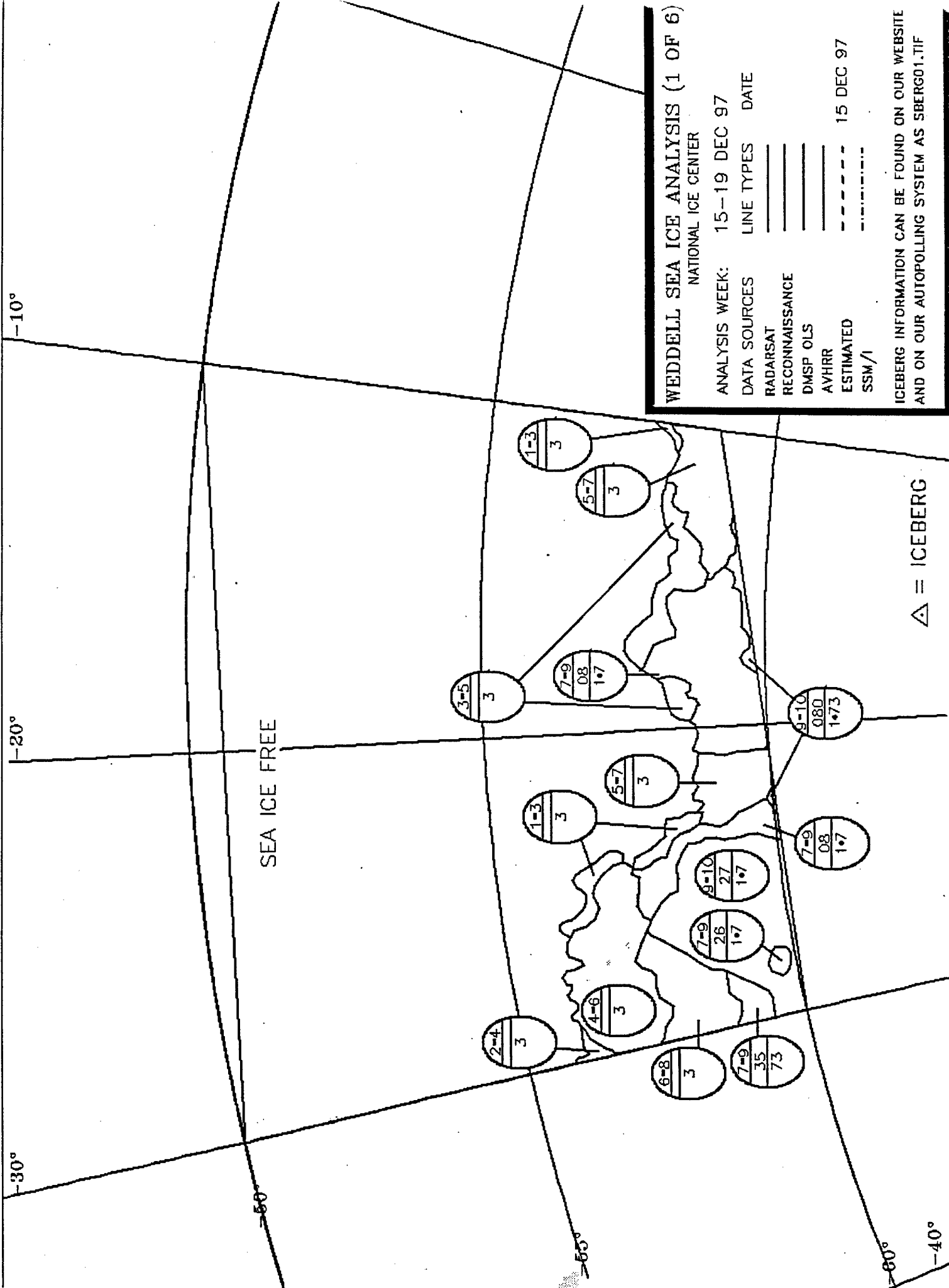
08 DEC

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE
AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF

SEA ICE FREE







WEDDELL SEA ICE ANALYSIS (1 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: 15-19 DEC 97

DATA SOURCES	LINE TYPES	DATE
--------------	------------	------

RADARSAT

RECONNAISSANCE

DMSP OLS

AVHRR

ESTIMATED

1/MS5

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE
AND ON OUR AUTOPOLLING SYSTEM AS SBG01.TIF

WEDDELL SEA ICE ANALYSIS (2 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: 15-19 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

AVHRR

ESTIMATED

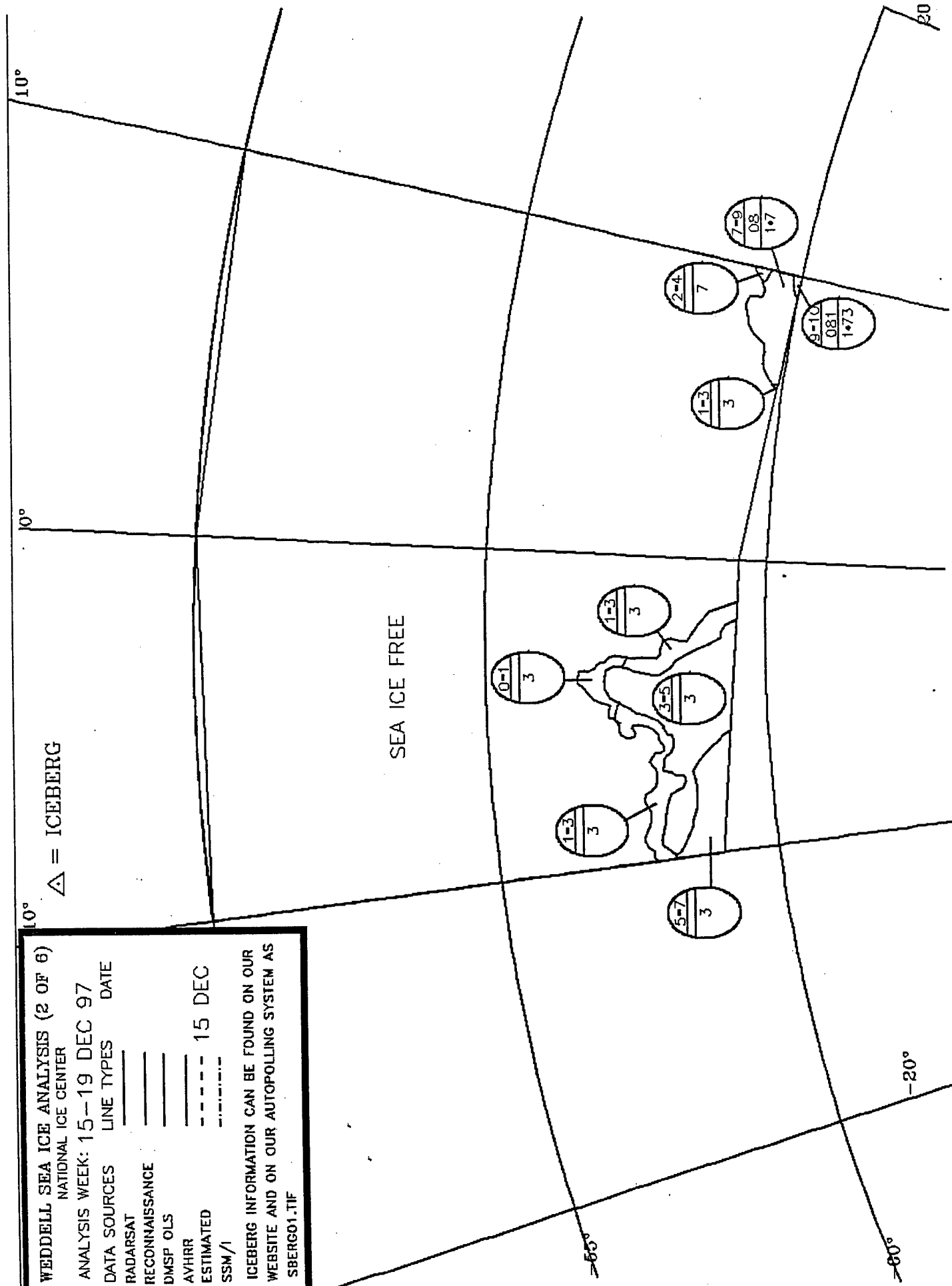
SSM/I

15 DEC

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG

SEA ICE FREE



30°

20°

10°

SEA ICE FREE

60° Δ = ICEBERG

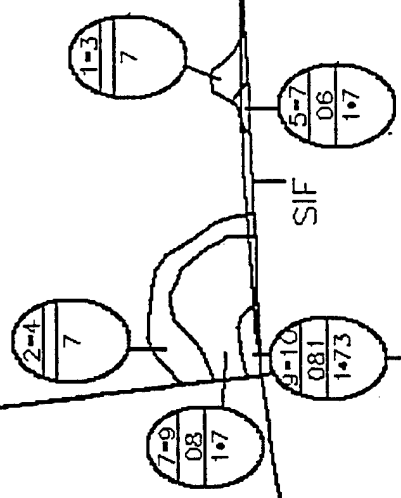
WEDDELL SEA ICE ANALYSIS (3 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: 15-19 DEC 97

DATA SOURCES	LINE TYPE	DATE
RADARSAT	_____	_____
RECONNAISSANCE	_____	_____
DMSP OLS	_____	_____
AVHRR	_____	_____
ESTIMATED	-----	15 DEC
SSM/I	-----	_____

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF



WEDDELL SEA ICE ANALYSIS (4 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: 15-19 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT
RECONNAISSANCE

DMSP OLS

AVHRR 15 DEC 97

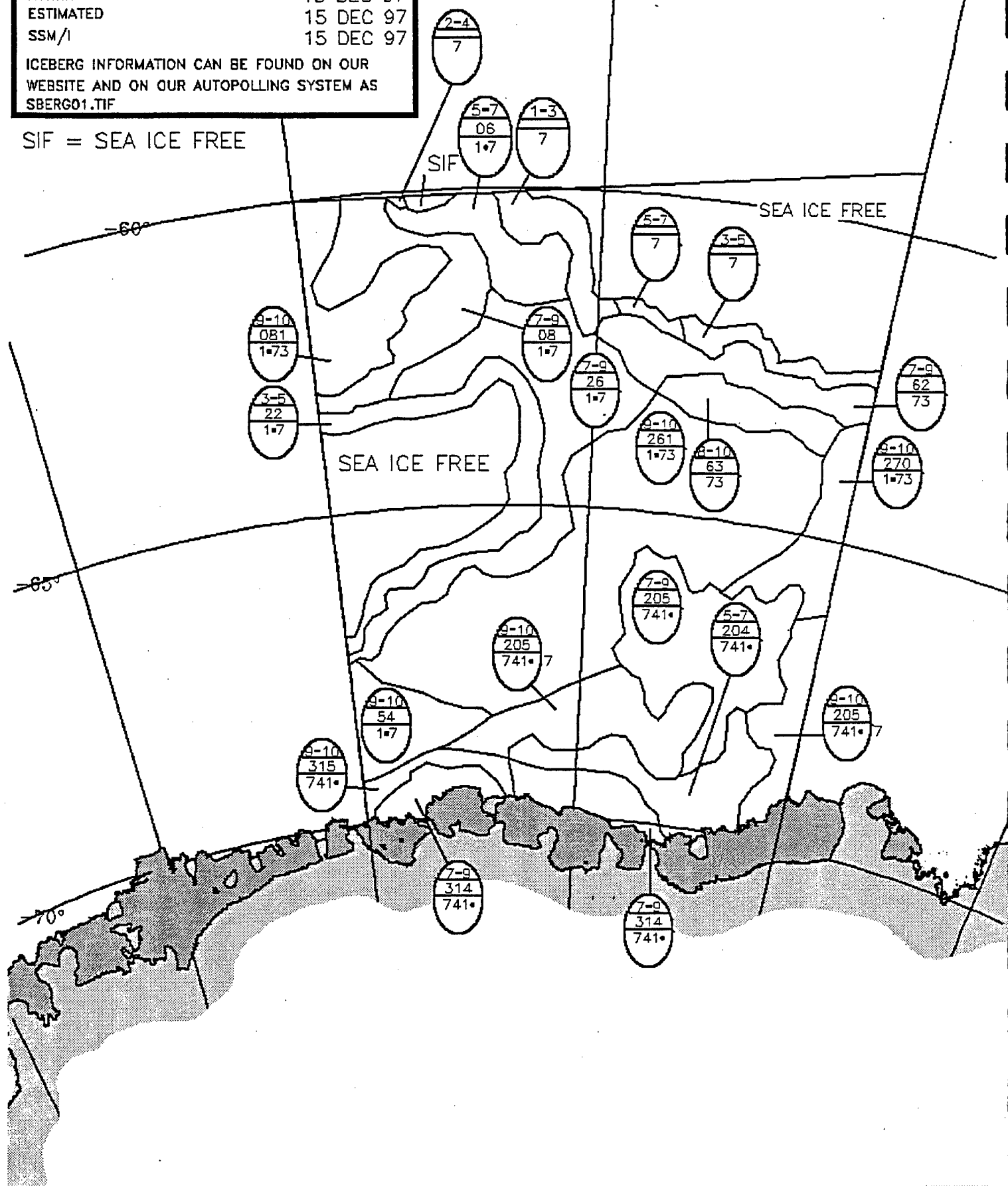
ESTIMATED 15 DEC 97

SSM/I 15 DEC 97

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG

SIF = SEA ICE FREE



WEDDELL SEA ICE ANALYSIS (5 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: 15-19 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT _____

RECONNAISSANCE _____

DMSP OLS _____

AVHRR _____

ESTIMATED ----- 15 DEC 97

SSM/I -----

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE
AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF

△ = ICEBERG

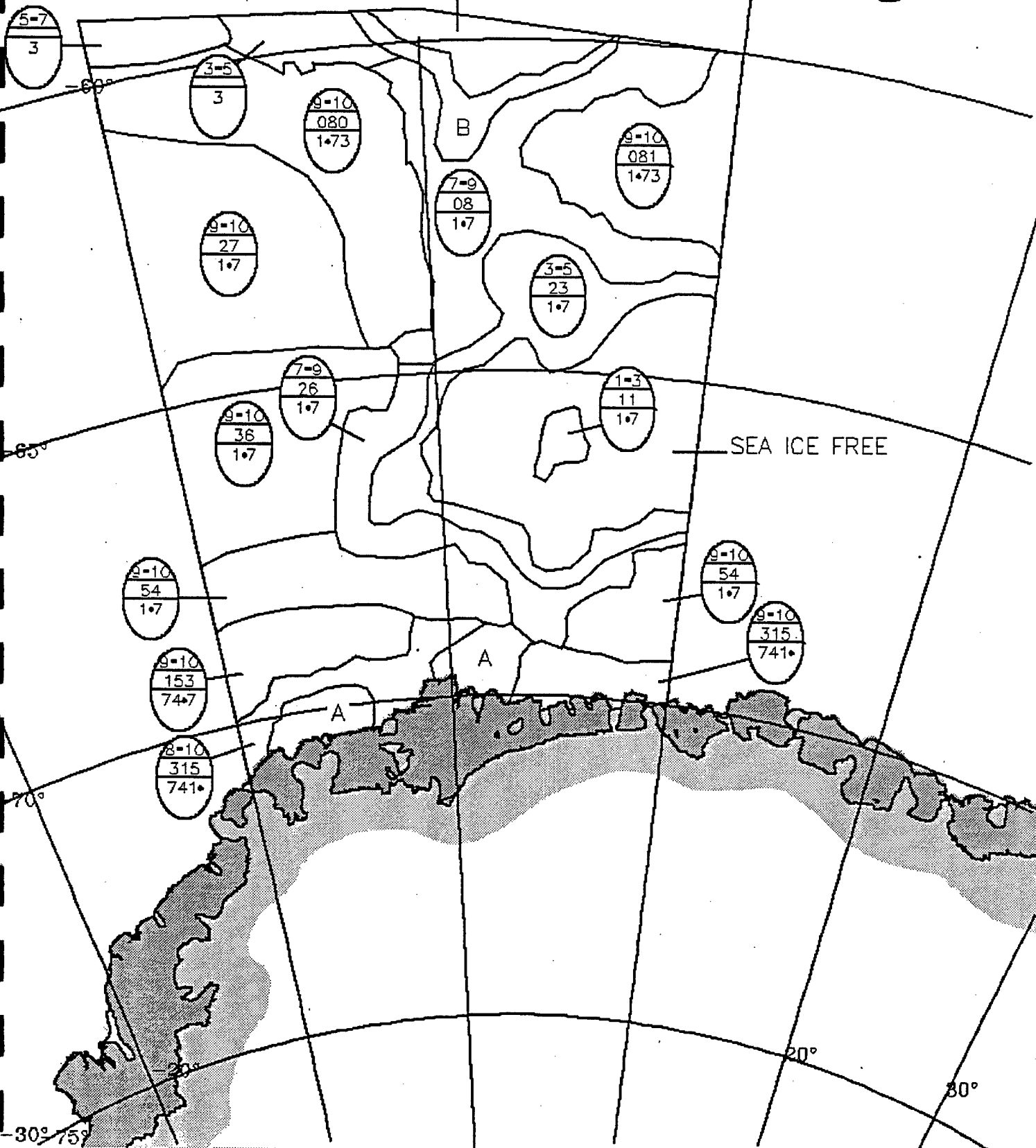
10°

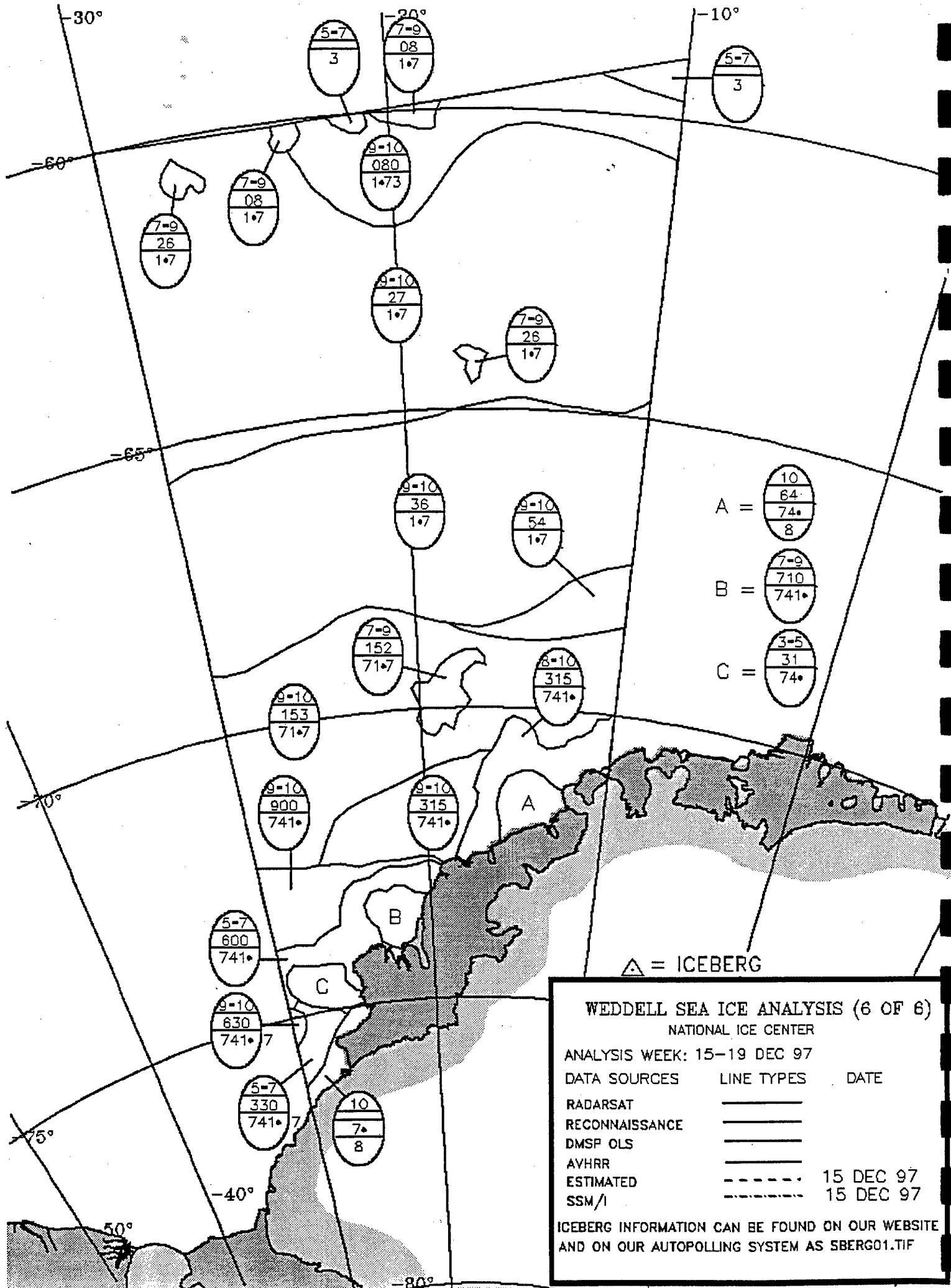
A = $\frac{7-9}{314}$
741*

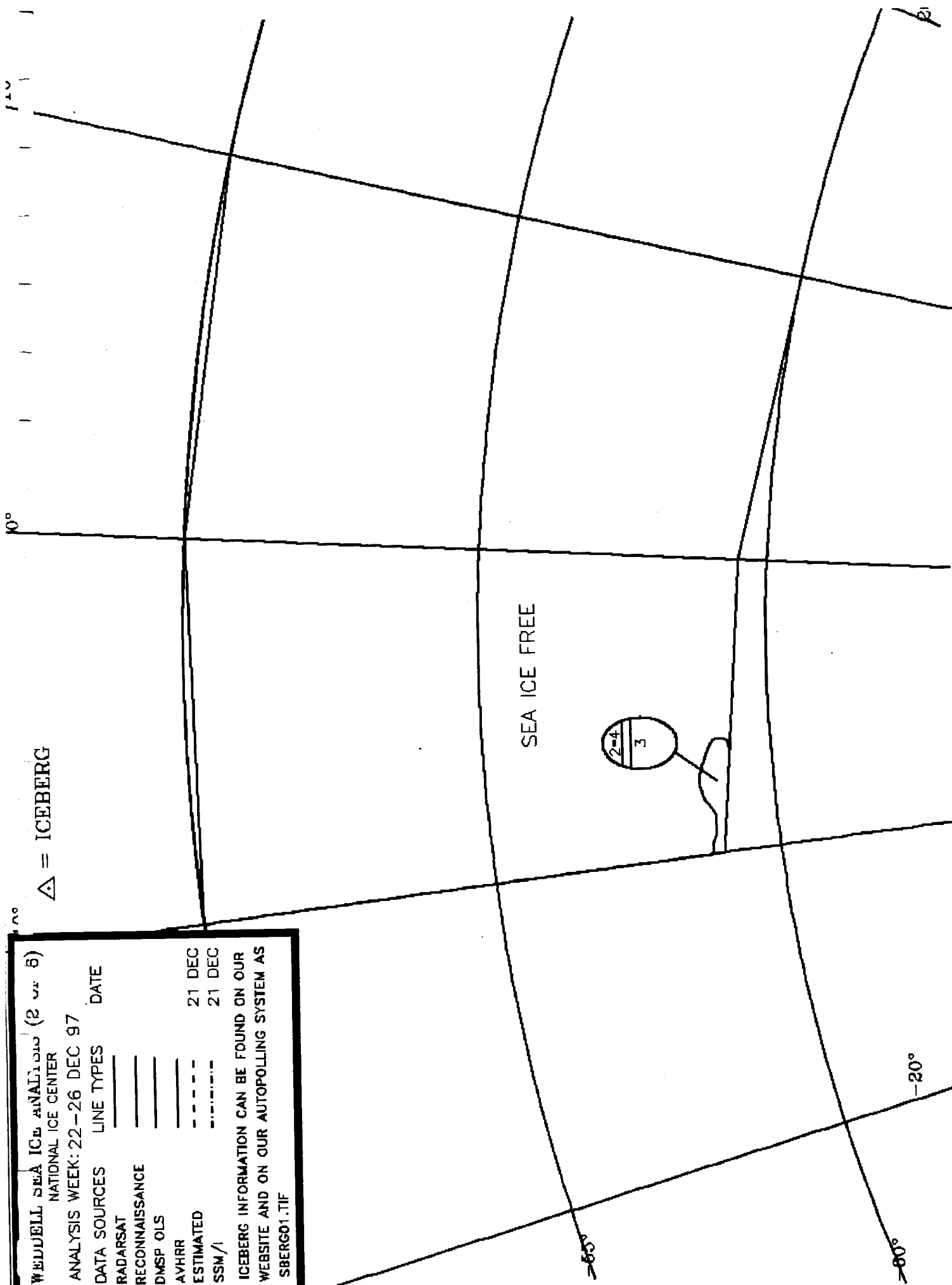
B = $\frac{1-3}{3}$

SEA ICE FREE

SEA ICE FREE







△ = ICEBERG

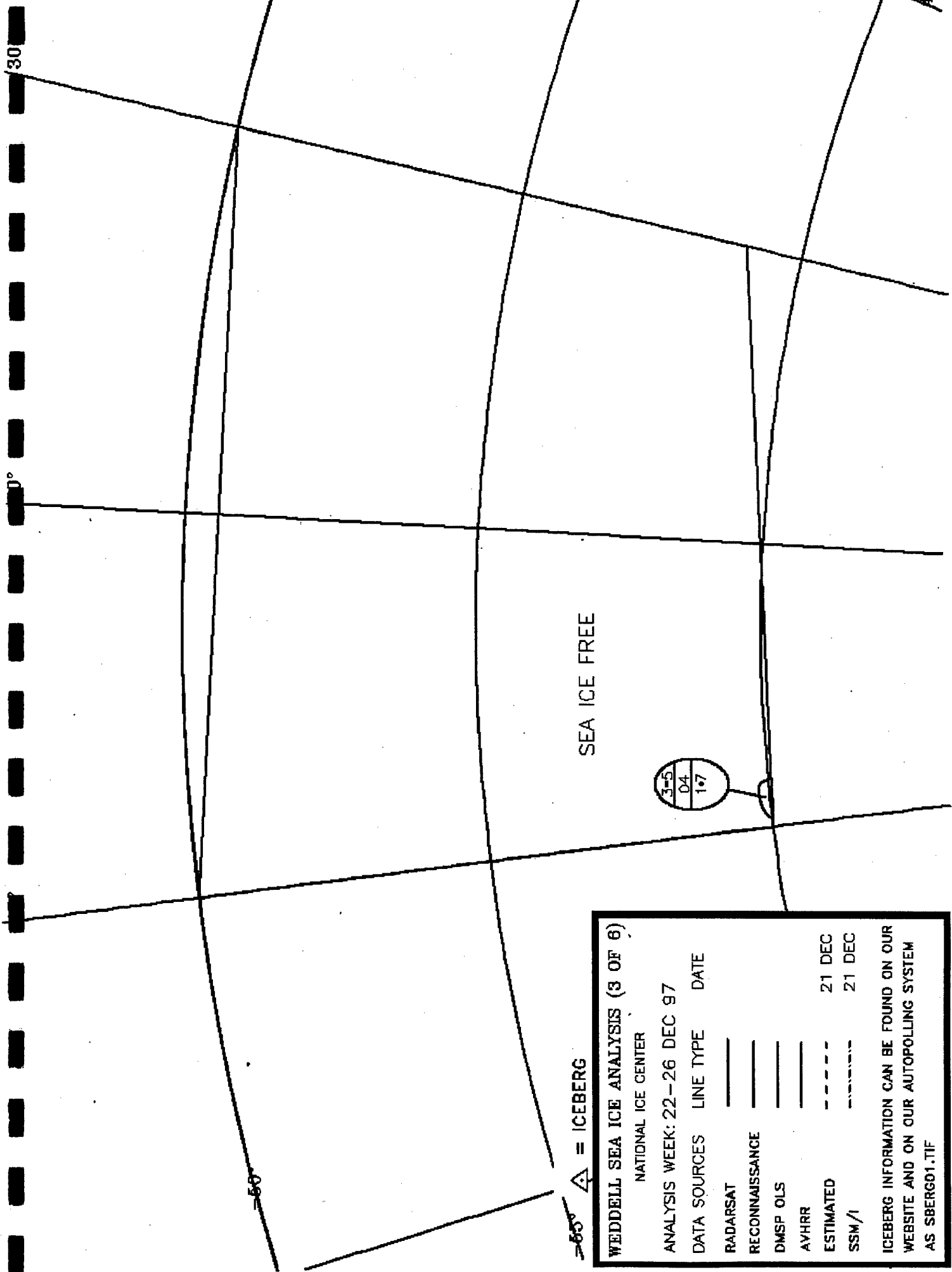
WEDDELL SEA ICE ANALYSIS (2 or 8)

NATIONAL ICE CENTER

ANALYSIS WEEK: 22-26 DEC 97

DATA SOURCES	LINE TYPES	DATE
RADARSAT	_____	
RECONNAISSANCE	_____	
DMSF OLS	_____	
AVHRR	_____	
ESTIMATED	-----	21 DEC
SSM/I	-----	21 DEC

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF



65° Δ = ICEBERG

WEDDELL SEA ICE ANALYSIS (3 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: 22-26 DEC 97

DATA SOURCES	LINE TYPE	DATE
RADARSAT	---	
RECONNAISSANCE	---	
DMSP OLS	---	
AVHRR	---	
ESTIMATED	----	21 DEC
SSM/I	-----	21 DEC

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF

WEDDELL SEA ICE ANALYSIS (4 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: 22-26 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT
RECONNAISSANCE

DMSP OLS

AVHRR

ESTIMATED

SSM/I

21 DEC

21 DEC

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG

A = $\frac{7-9}{205}$
741•

D = $\frac{2-4}{201}$
741•

G = $\frac{6-8}{205}$
741•

J = $\frac{7-9}{26}$
1•7

B = $\frac{4-6}{203}$
741•

E = $\frac{3-5}{202}$
741•

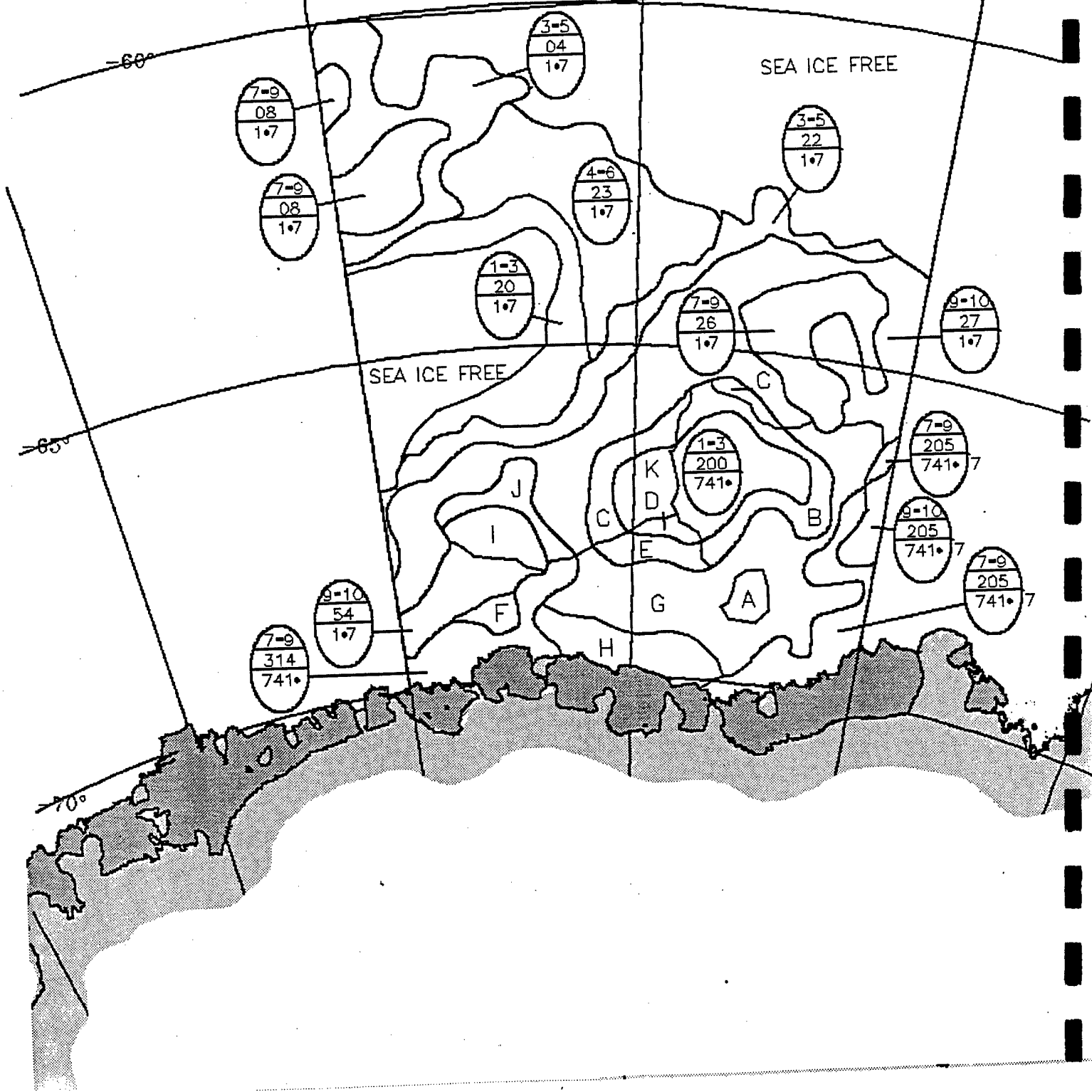
H = $\frac{5-7}{312}$
741•

K = $\frac{1-3}{20}$
1•7

C = $\frac{4-6}{23}$
1•7

F = $\frac{9-10}{315}$
741•

I = $\frac{8-10}{27}$
1•7



WEDDELL SEA ICE ANALYSIS (5 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: 22-26 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

AVHRR

ESTIMATED

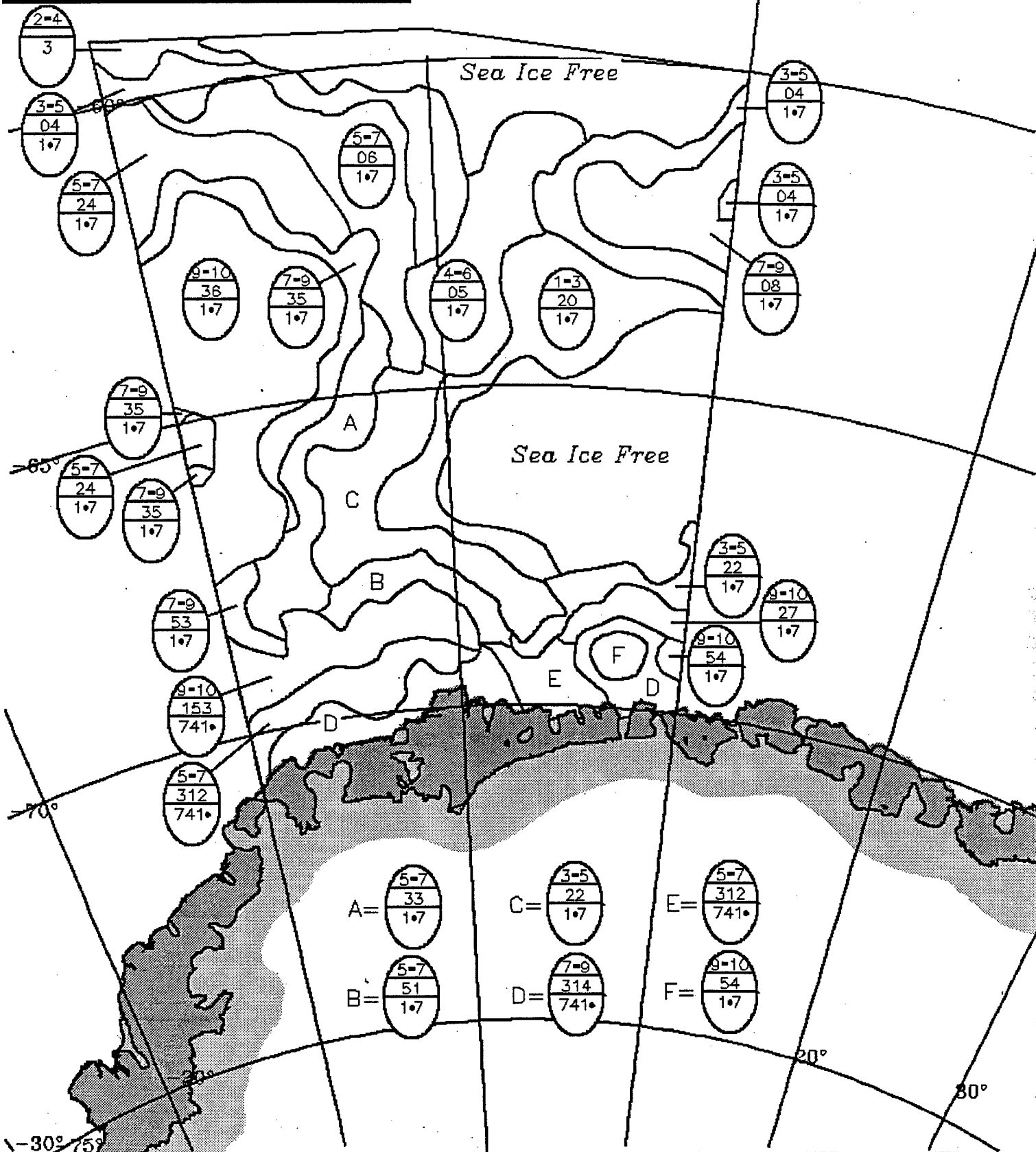
SSM/I

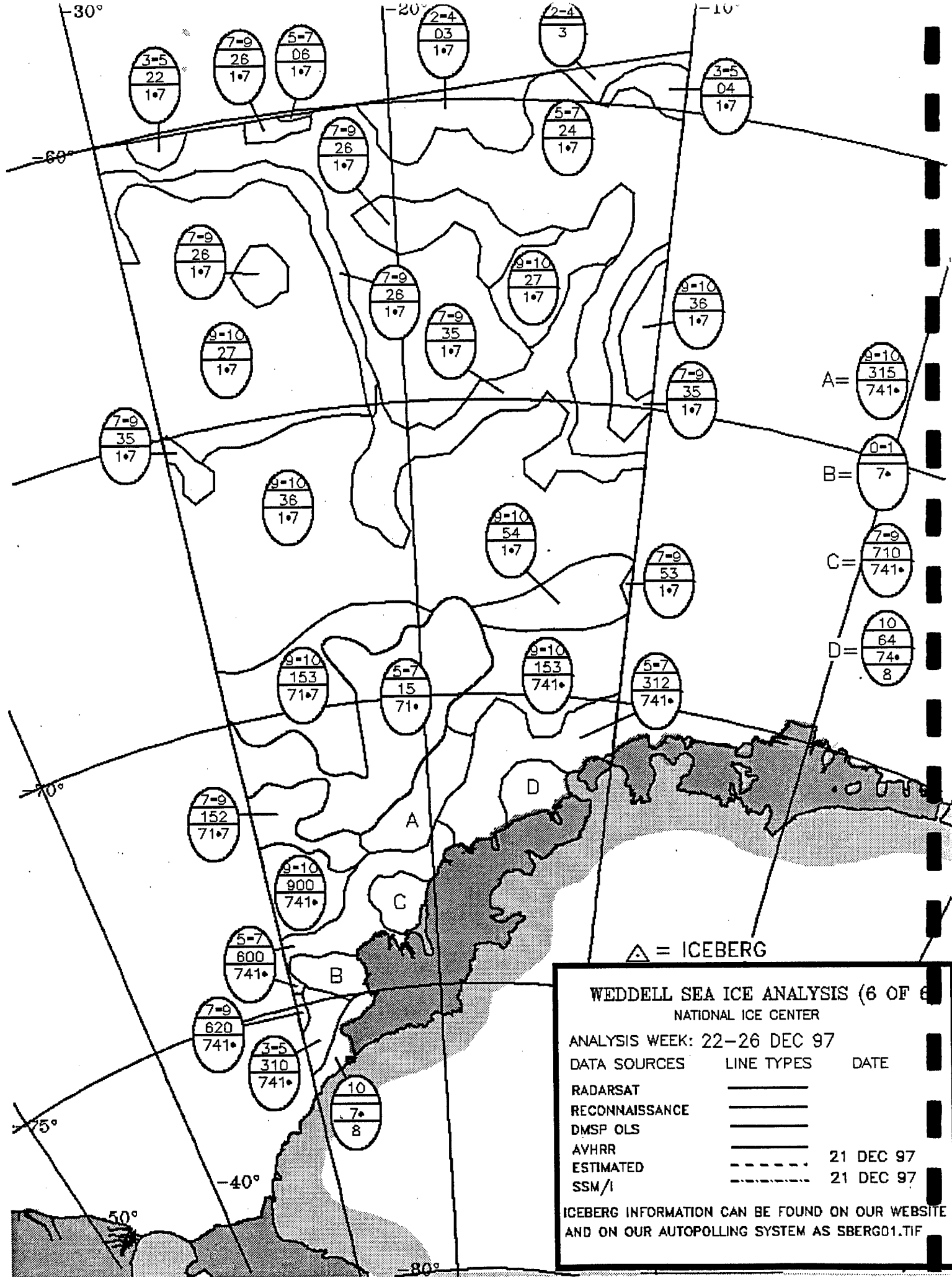
21 DEC 97

21 DEC 97

△ = ICEBERG

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE
AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF





A = $\frac{9-10}{315}$
 B = $\frac{0-1}{7}$
 C = $\frac{7-9}{710}$
 D = $\frac{10}{64}$
 74
 8

△ = ICEBERG

AMERY ICE ANALYSIS (1 OF 6)

NATIONAL ICE CENTER

ANALYSIS DATE: WEEK OF 27 OCT 97

DATA SOURCES DATE

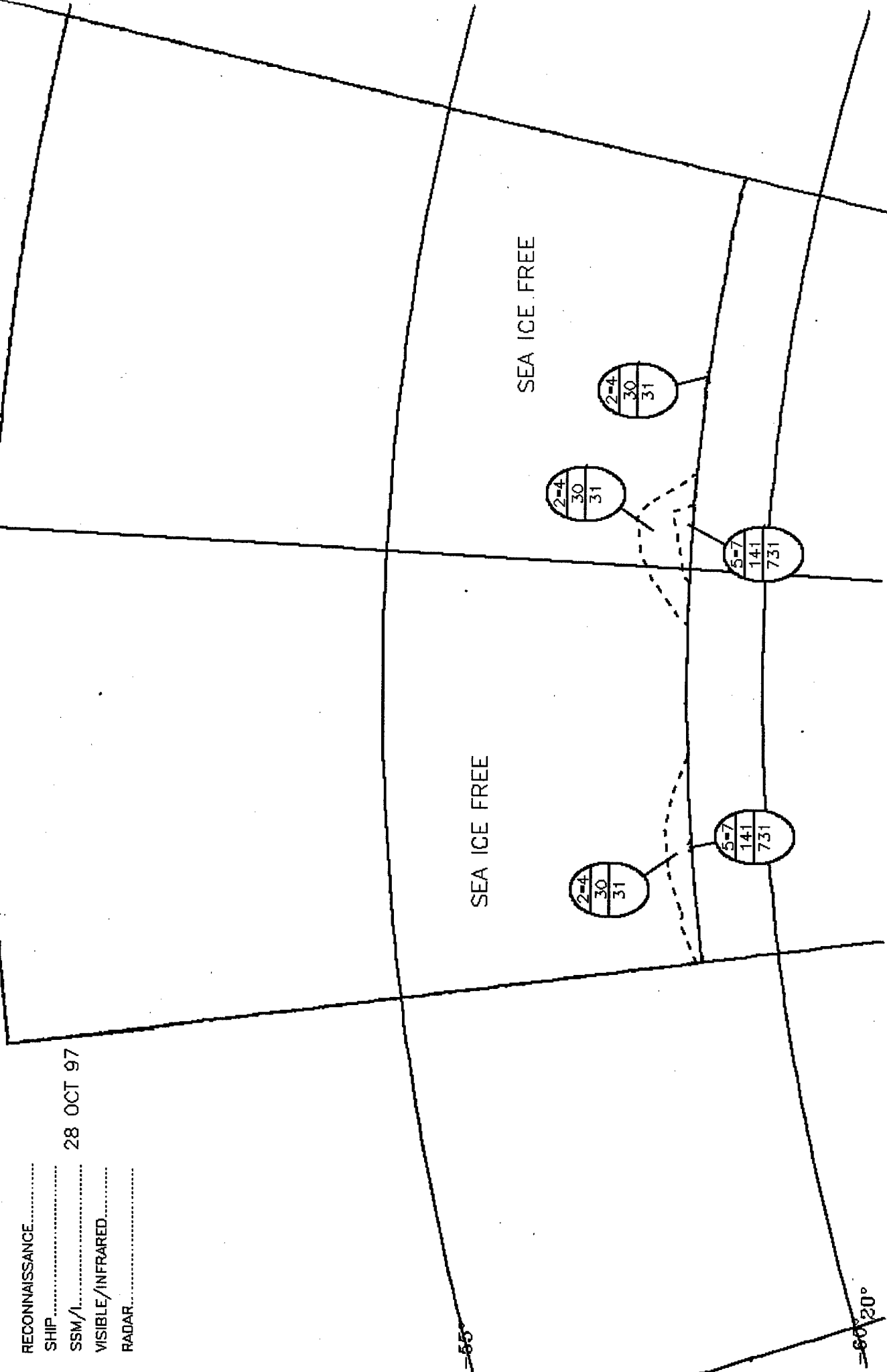
RECONNAISSANCE.....

SHIP.....

SSM/I..... 28 OCT 97

VISIBLE/INFRARED.....

RADAR.....



AMERY ICE ANALYSIS (2 OF 6)

NATIONAL ICE CENTER

ANALYSIS DATE: WEEK OF 27 OCT 97

DATA SOURCES DATE

RECONNAISSANCE.....

SHIP.....

SSM/1..... 28 OCT 97

VISIBLE/INFRARED.....

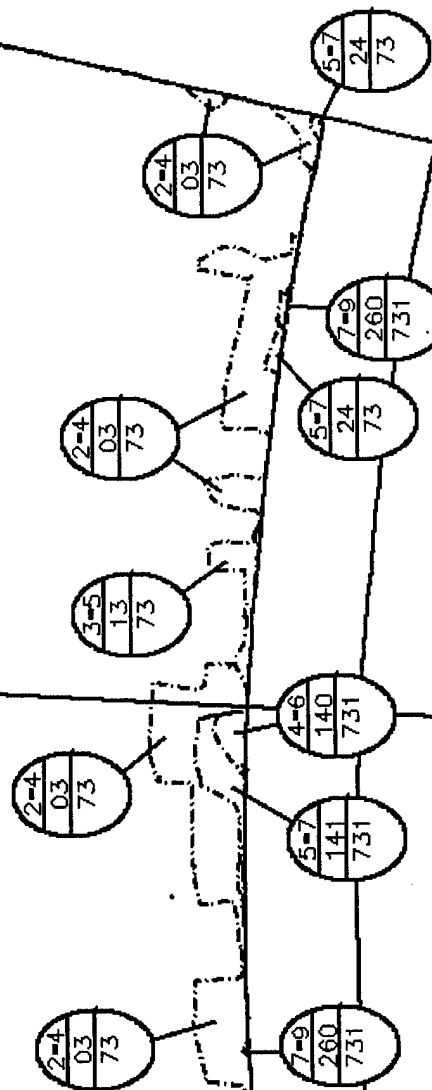
RADAR.....

60°

SEA ICE FREE

SEA ICE FREE

55°



60°

ANALYSIS DATE: WEEK OF 27 OCT 97

DATE _____
DATA SOURCES _____

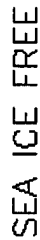
RECONNAISSANCE.....

SHIP.

SSM/1.....28 OCT 97

VISIBLE/INFRARED.....

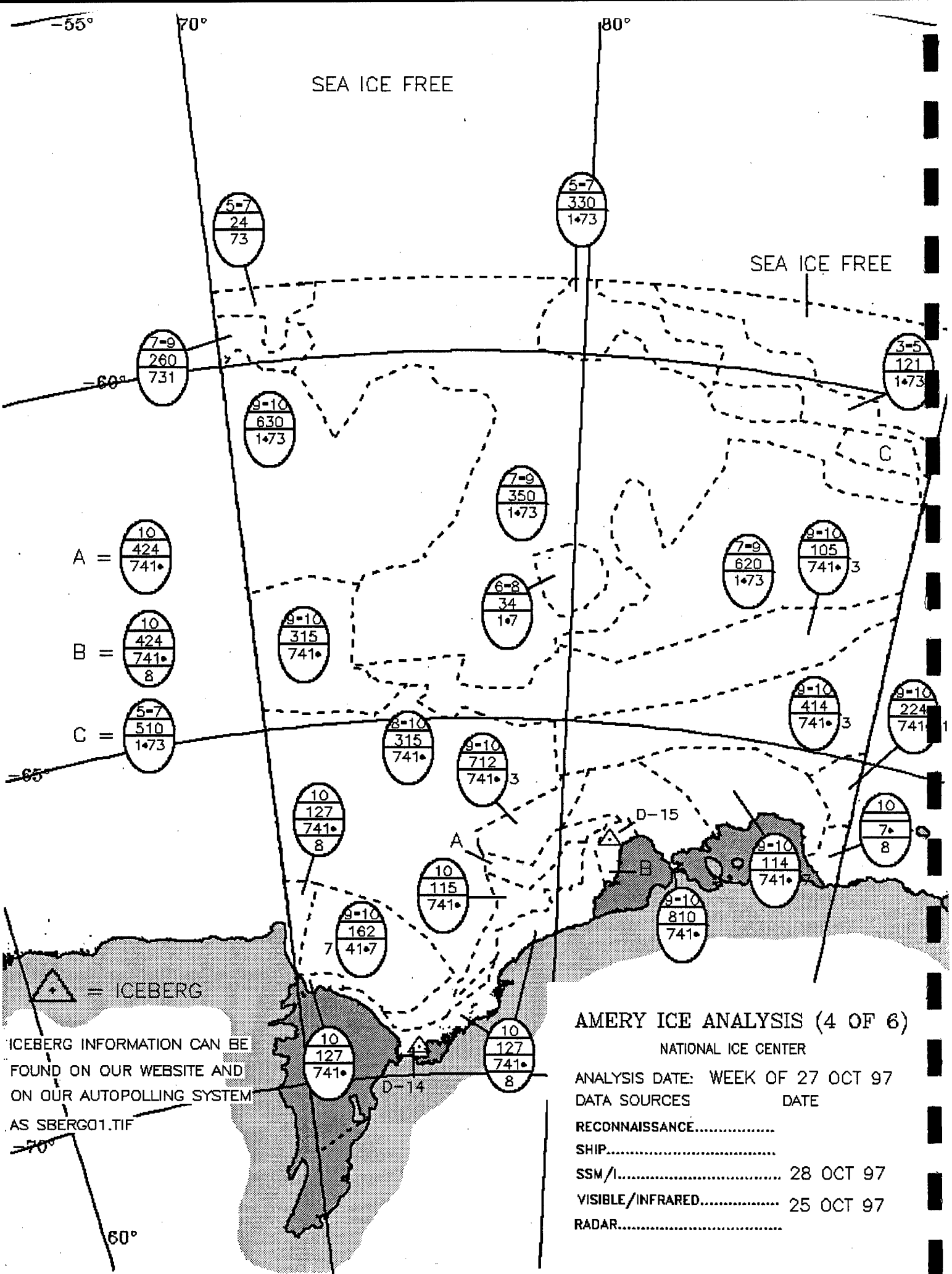
RADAR.....

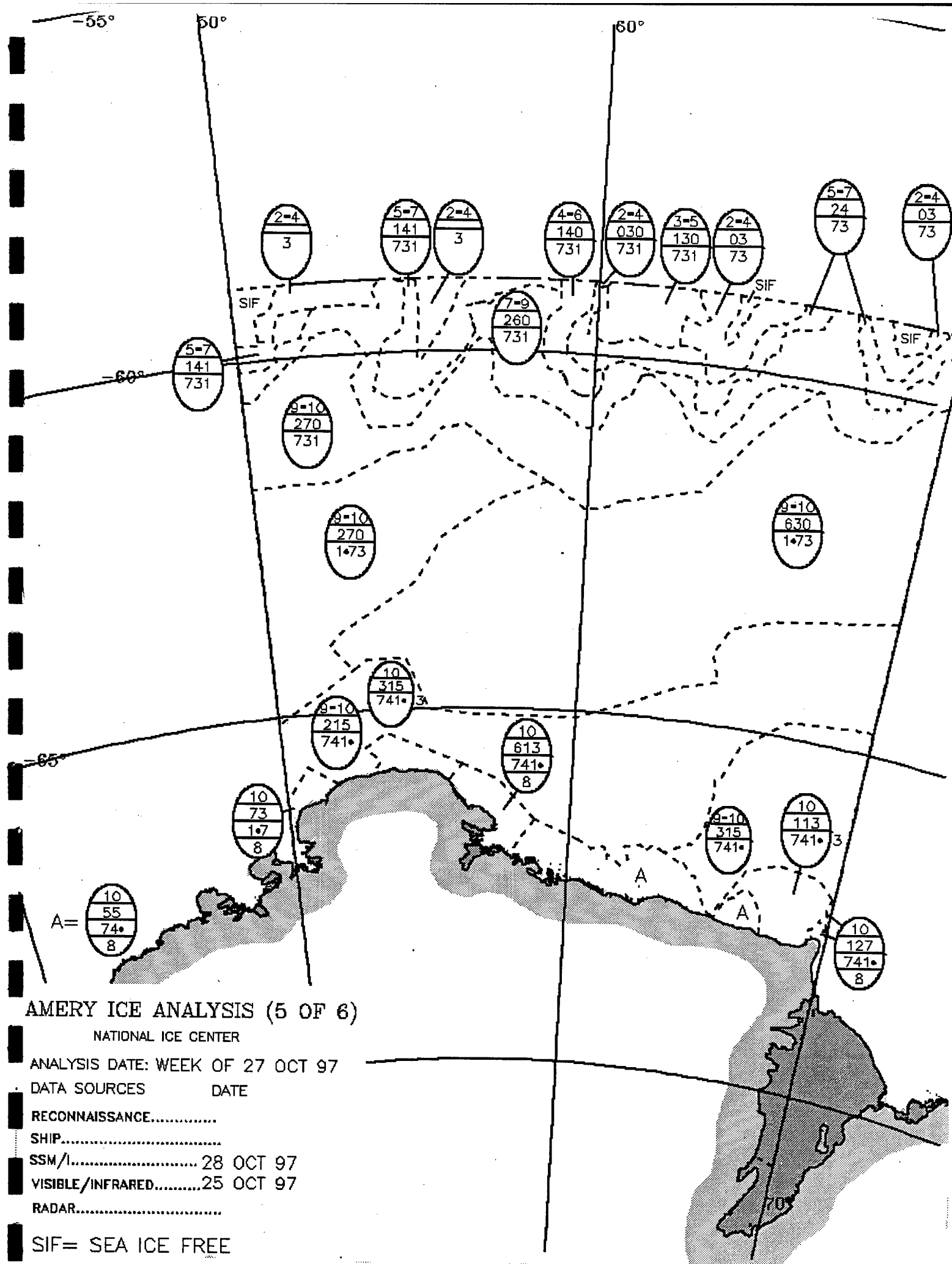


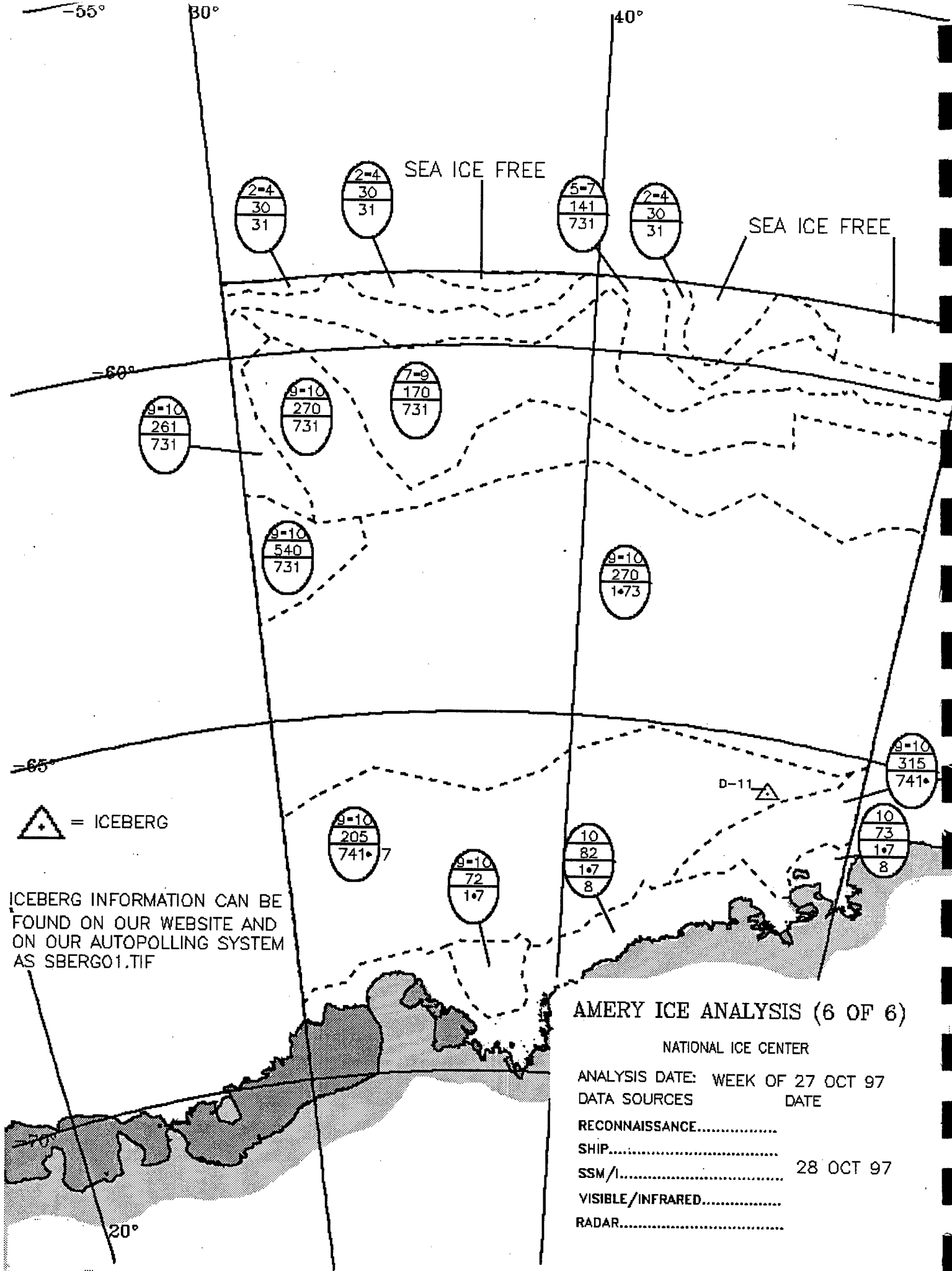
SEA ICE FREE.

55

~~05109~~







△ = ICEBERG

ICEBERG INFORMATION CAN BE
FOUND ON OUR WEBSITE AND
ON OUR AUTOPOLLING SYSTEM
AS SBERG01.TIF

AMERY ICE ANALYSIS (6 OF 6)

NATIONAL ICE CENTER

ANALYSIS DATE: WEEK OF 27 OCT 97

DATA SOURCES DATE

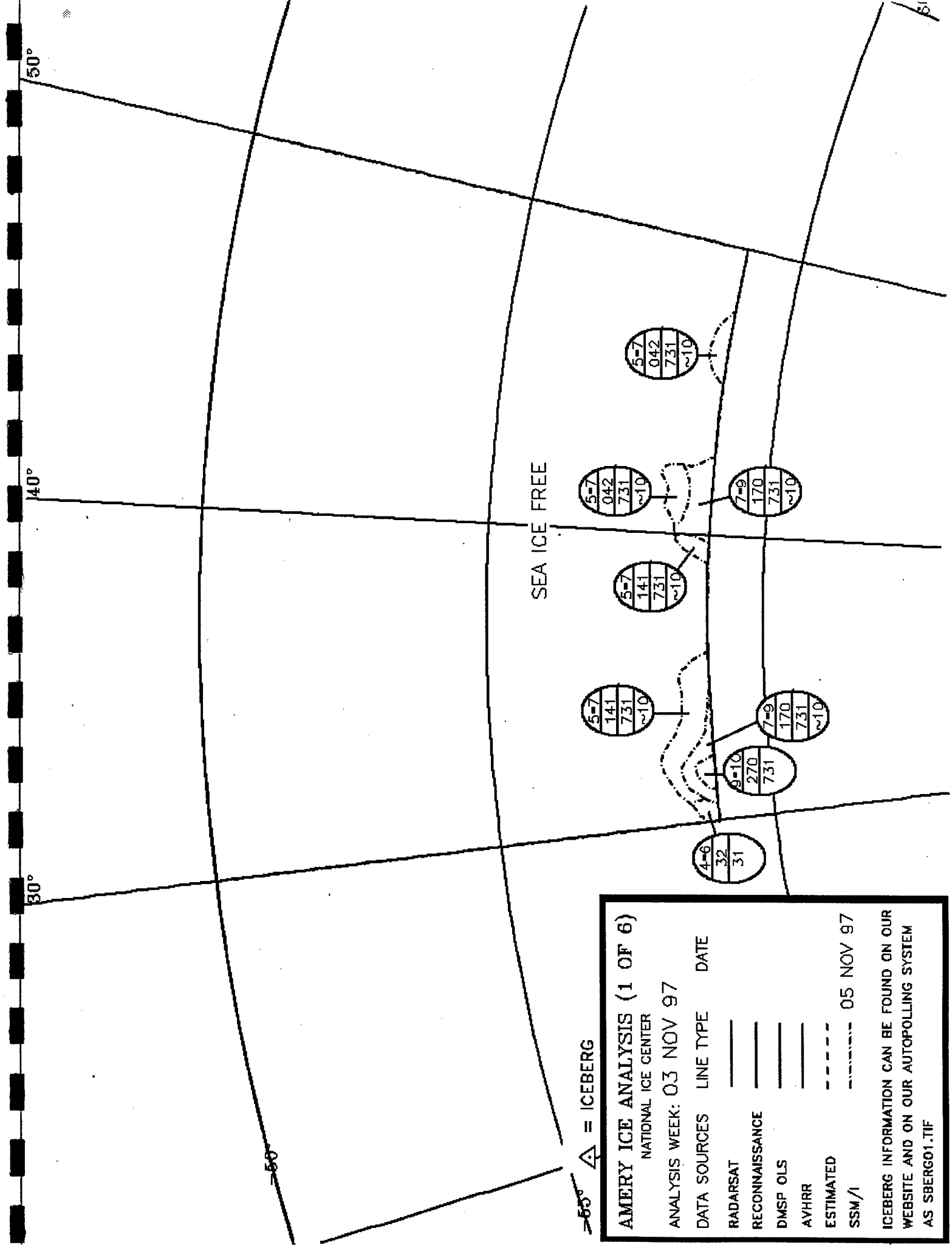
RECONNAISSANCE.....

SHIP.....

SSM/I..... 28 OCT 97

VISIBLE/INFRARED.....

RADAR.....



AMERY ICE ANALYSIS (1 OF 6)
 NATIONAL ICE CENTER
 ANALYSIS WEEK: 03 NOV 97

DATA SOURCES	LINE TYPE	DATE
RADARSAT	---	
RECONNAISSANCE	---	
DMSP OLS	---	
AVHRR	---	
ESTIMATED	---	
SSM /1	---	05 NOV 97

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF

70°

60°

50°

SEA ICE FREE

AMERY ICE ANALYSIS (2 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: 03 NOV 97

DATA SOURCES LINE TYPE DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

AVHRR

ESTIMATED

SSM/I

05 NOV 97

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM

AS-SBERG4.TIF

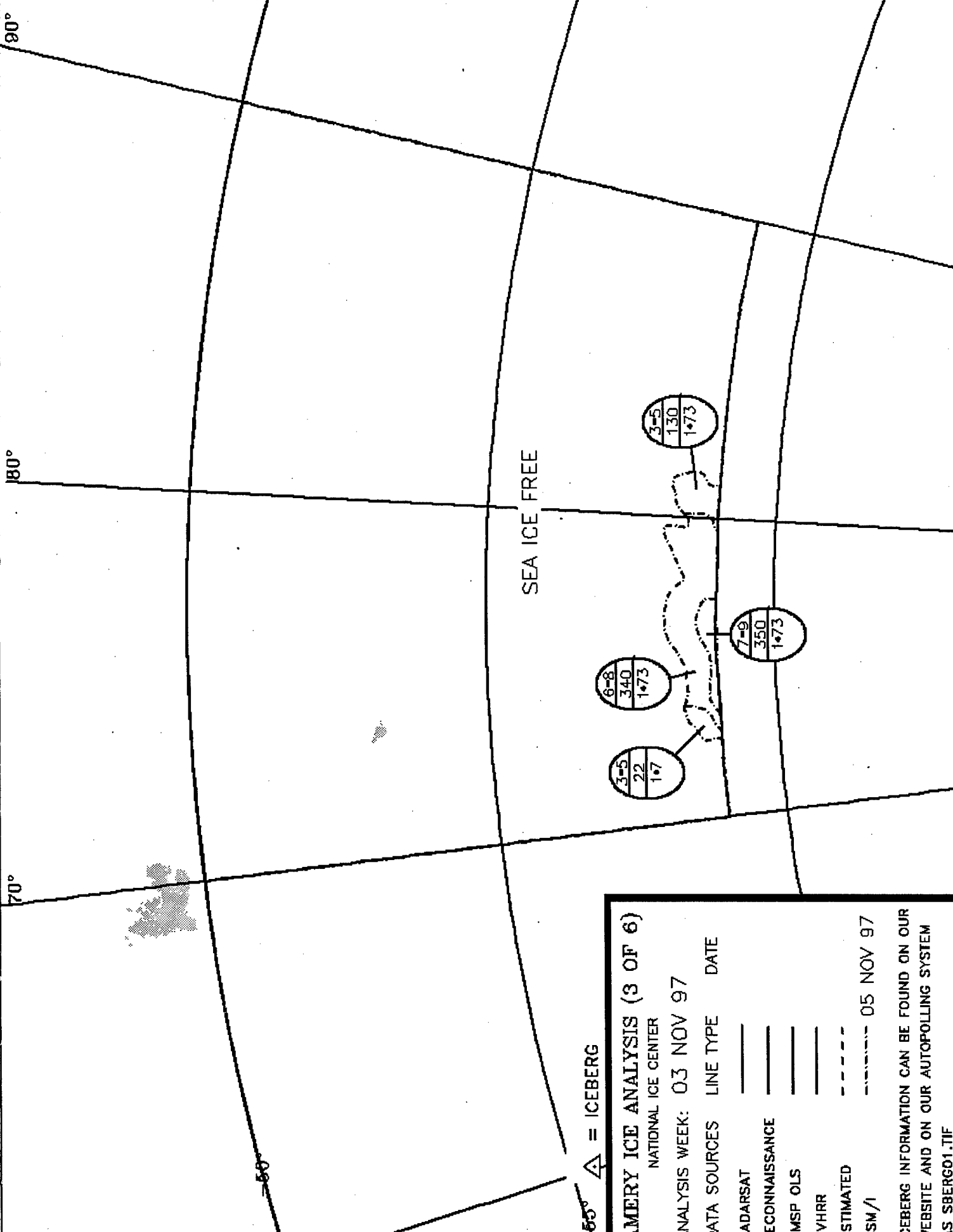
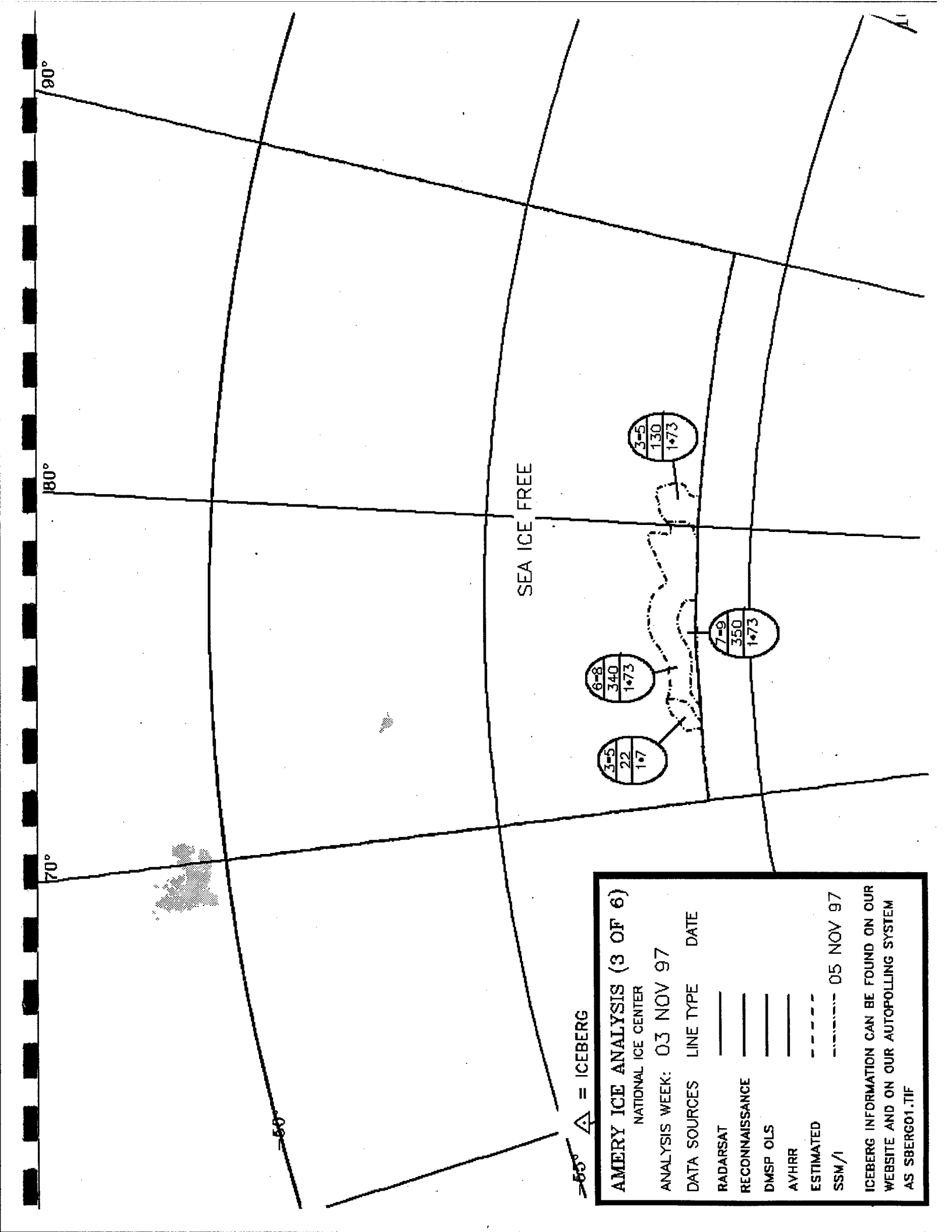
Δ = ICEBERG

5-7
141
731

5-7
141
731

7-9
170
731

5-7
141
731



55° Δ = ICEBERG

AMERY ICE ANALYSIS (3 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: 03 NOV 97

DATA SOURCES LINE TYPE DATE

RADARSAT

RECONNAISSANCE

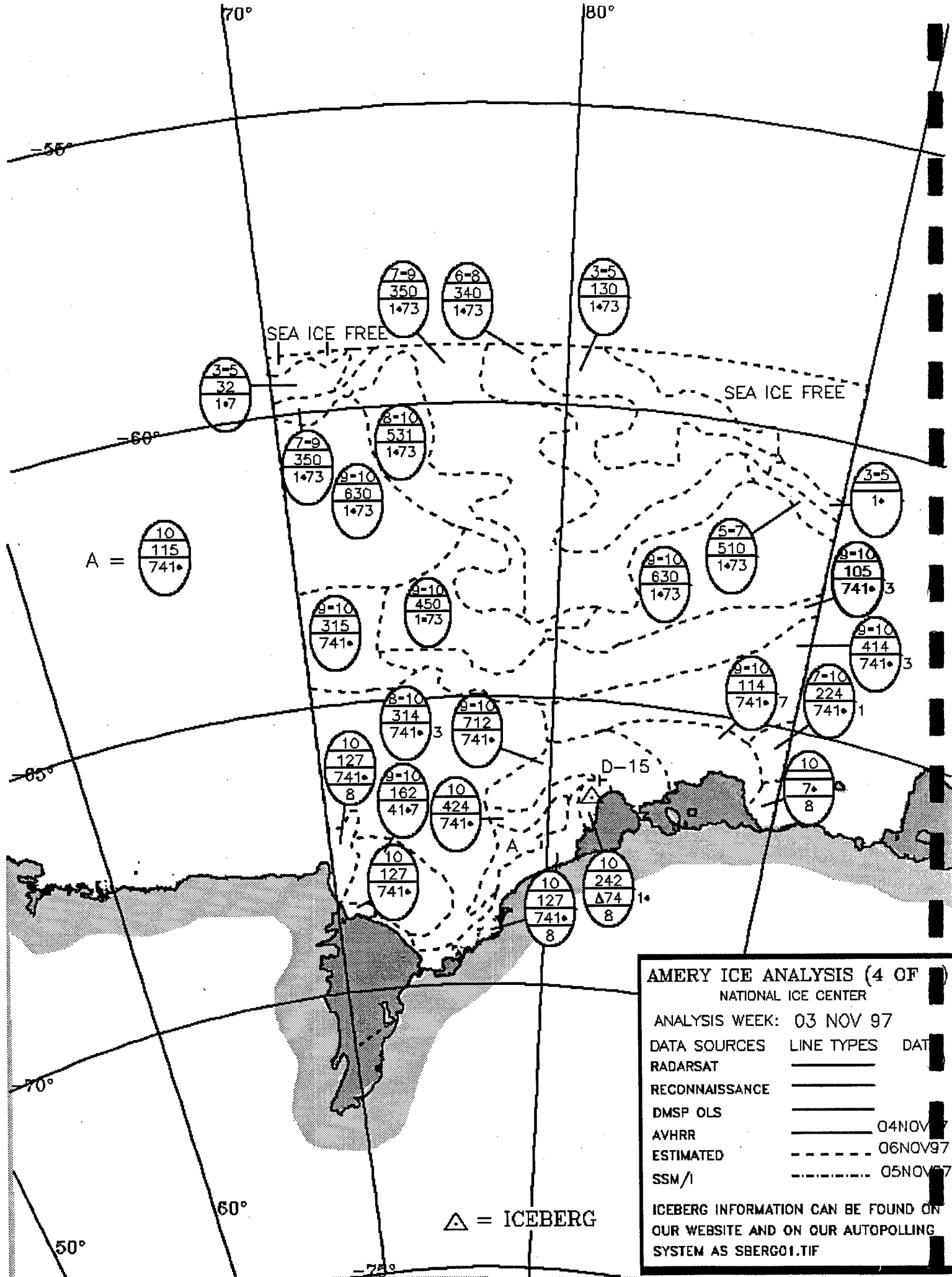
DMSP OLS

AVHRR

ESTIMATED

SSM/I 05 NOV 97

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS SBORG01.TIF

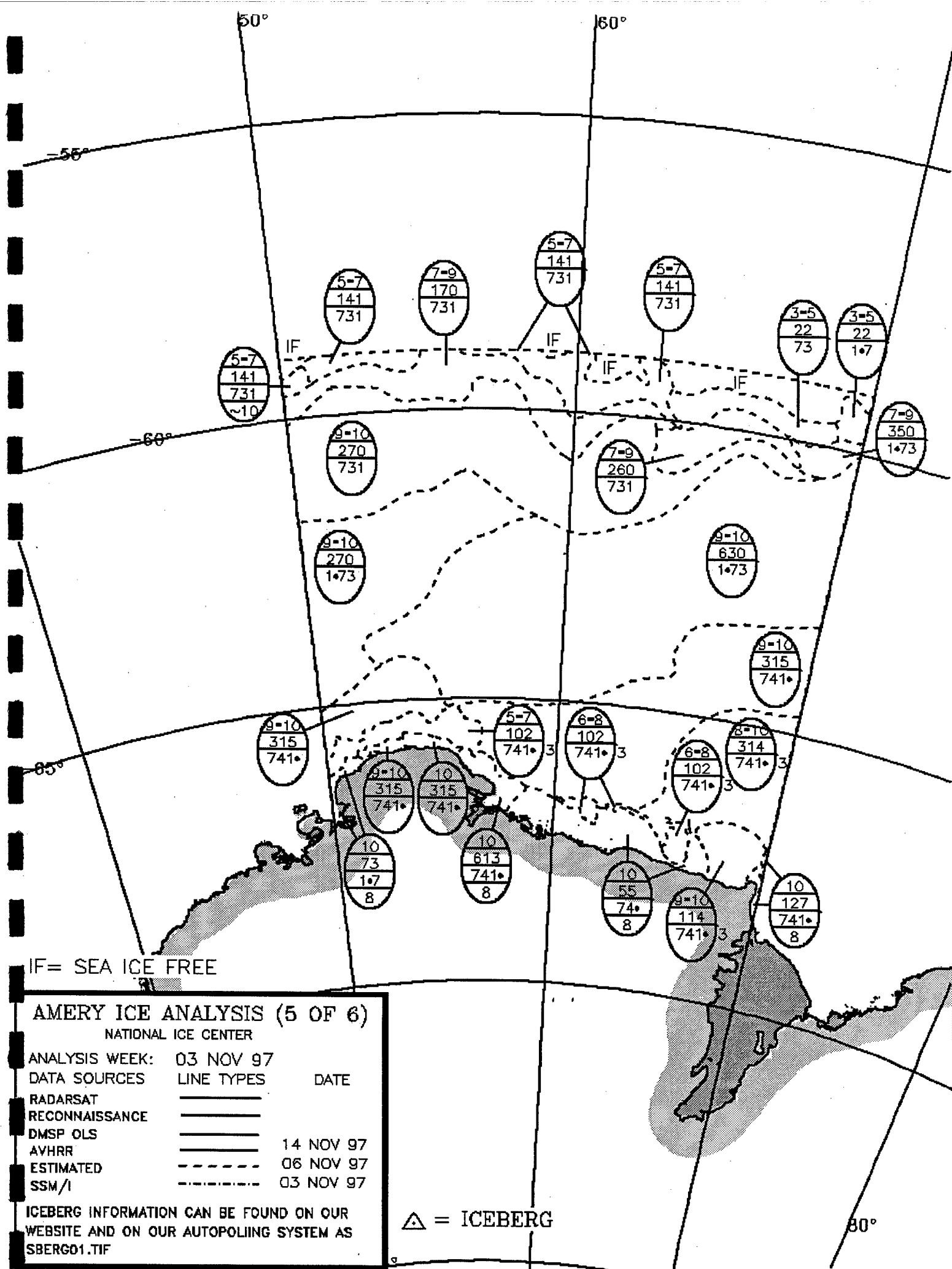


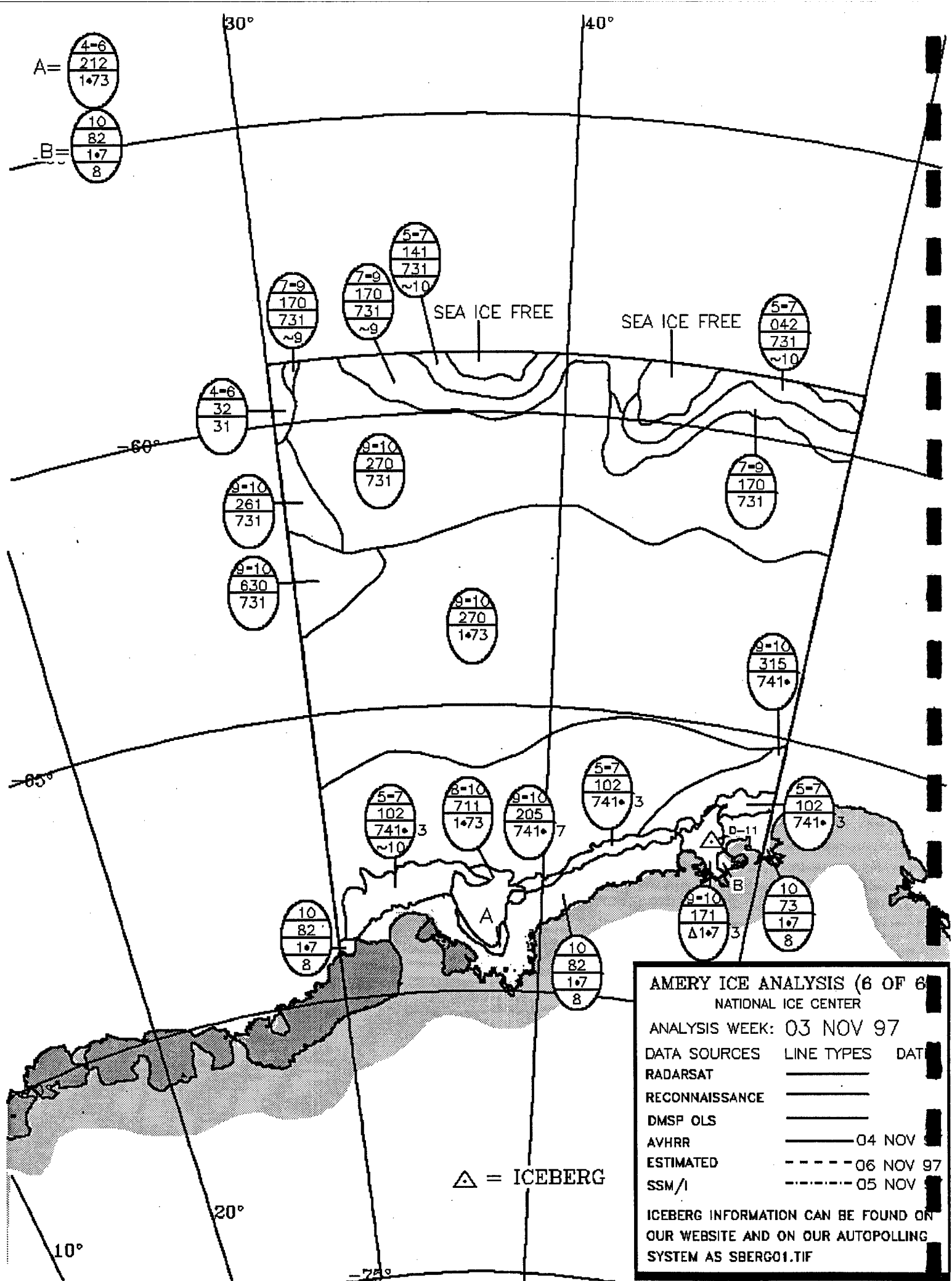
AMERY ICE ANALYSIS (4 OF 9)
 NATIONAL ICE CENTER

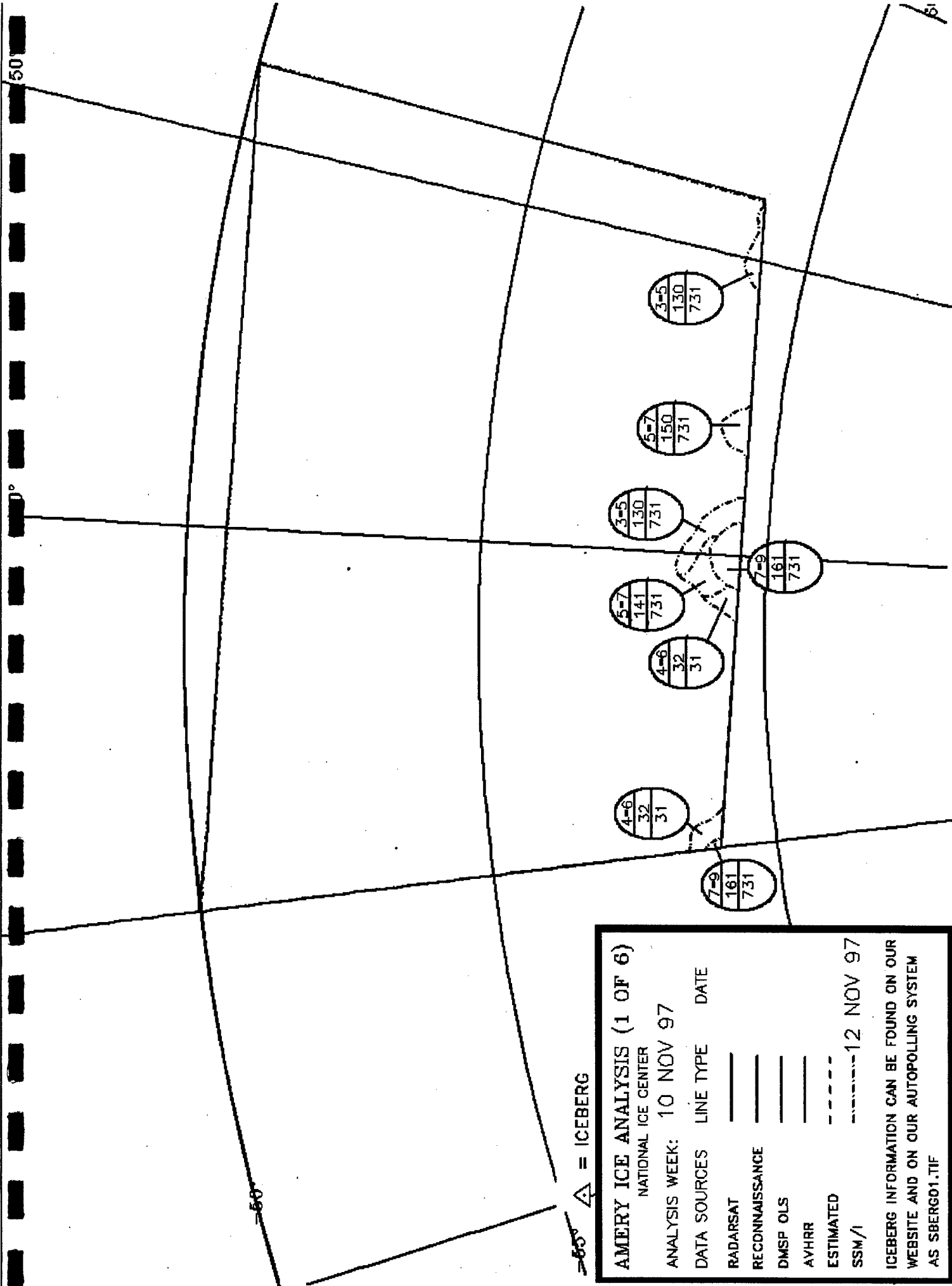
ANALYSIS WEEK: 03 NOV 97

DATA SOURCES	LINE TYPES	DATE
RADARSAT	_____	_____
RECONNAISSANCE	_____	_____
DMSP OLS	_____	_____
AVHRR	_____	04NOV97
ESTIMATED	-----	06NOV97
SSM/I	05NOV97

ICEBERG INFORMATION CAN BE FOUND ON
 OUR WEBSITE AND ON OUR AUTOPOLLING
 SYSTEM AS SBERG01.TIF







55° Δ = ICEBERG

AMERY ICE ANALYSIS (1 OF 6)
 NATIONAL ICE CENTER
 ANALYSIS WEEK: 10 NOV 97
 DATA SOURCES LINE TYPE DATE
 RADARSAT _____
 RECONNAISSANCE _____
 DMSP OLS _____
 AVHRR _____
 ESTIMATED _____
 SSM/I _____ 12 NOV 97

ICEBERG INFORMATION CAN BE FOUND ON OUR
 WEBSITE AND ON OUR AUTOPOLLING SYSTEM
 AS SBERG01.TIF

50°

60°

80°

△ = ICEBERG

AMERY ICE ANALYSIS (2 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: 10 NOV 97

DATA SOURCES LINE TYPE DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

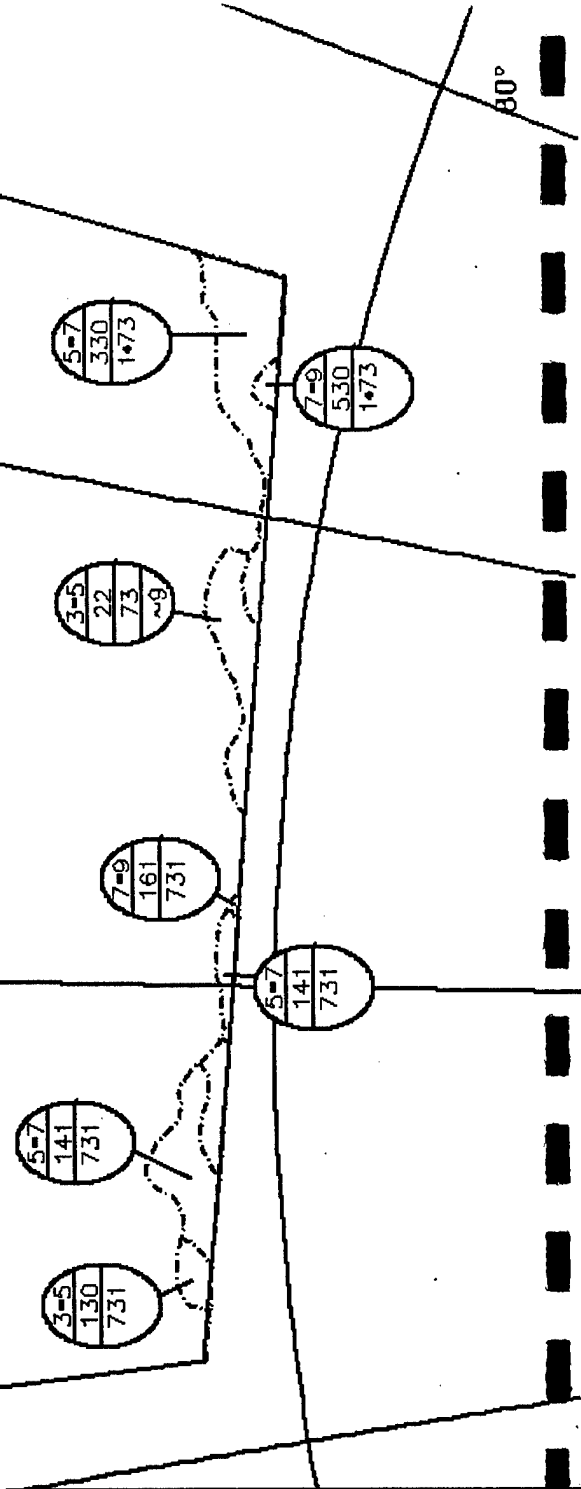
AVHRR

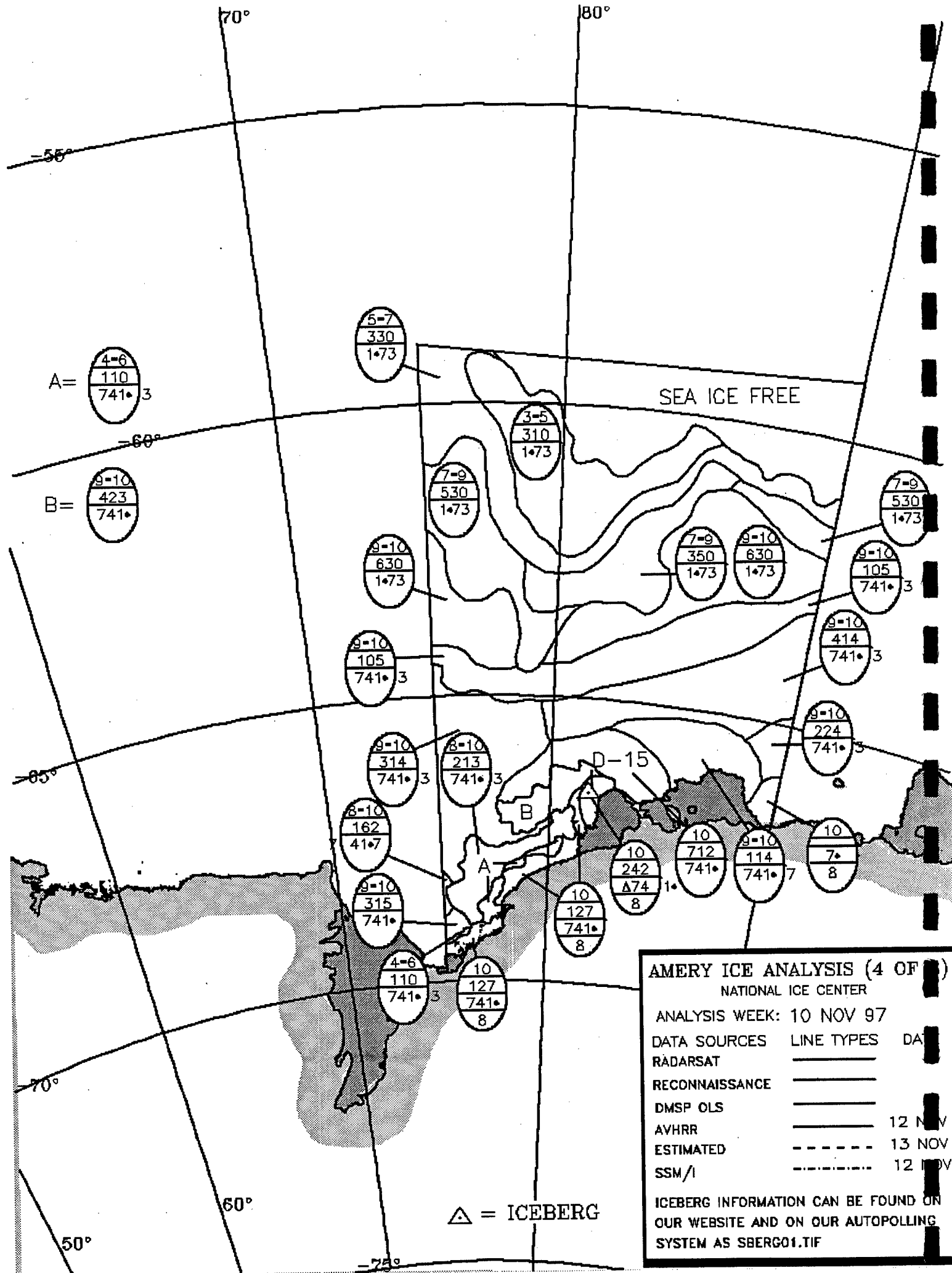
ESTIMATED

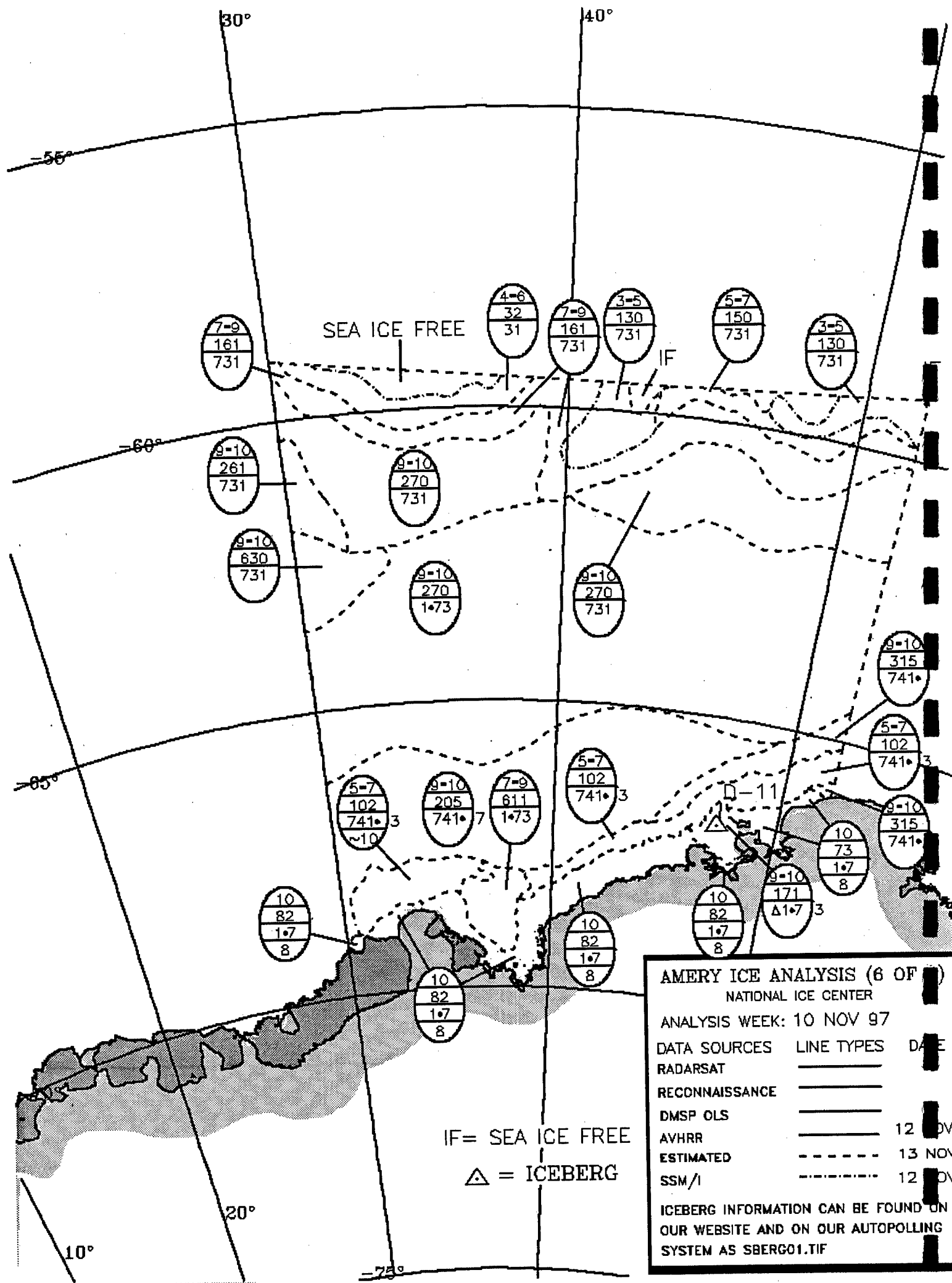
SSM/I

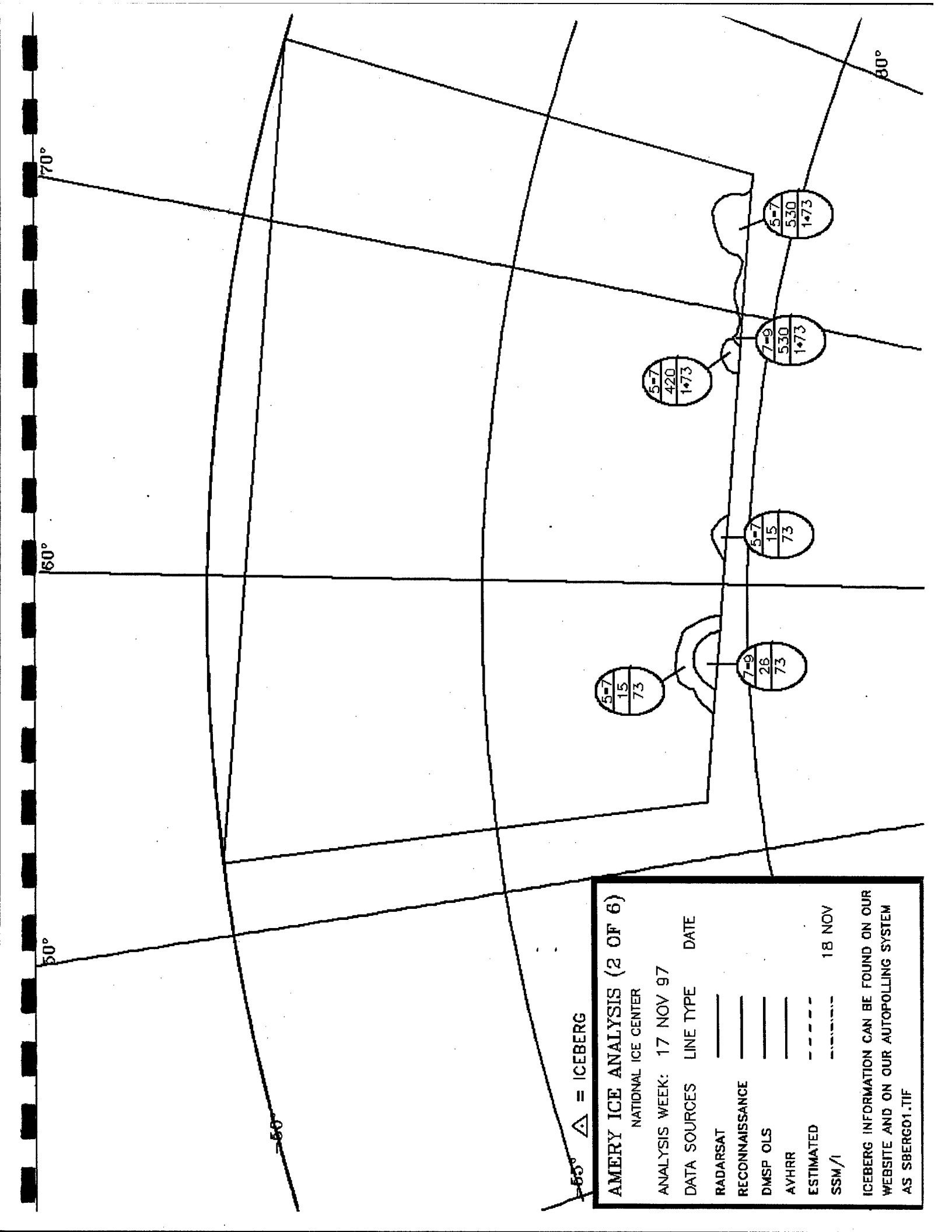
12 NOV

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM









△ = ICEBERG

AMERY ICE ANALYSIS (2 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: 17 NOV 97

DATA SOURCES LINE TYPE DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

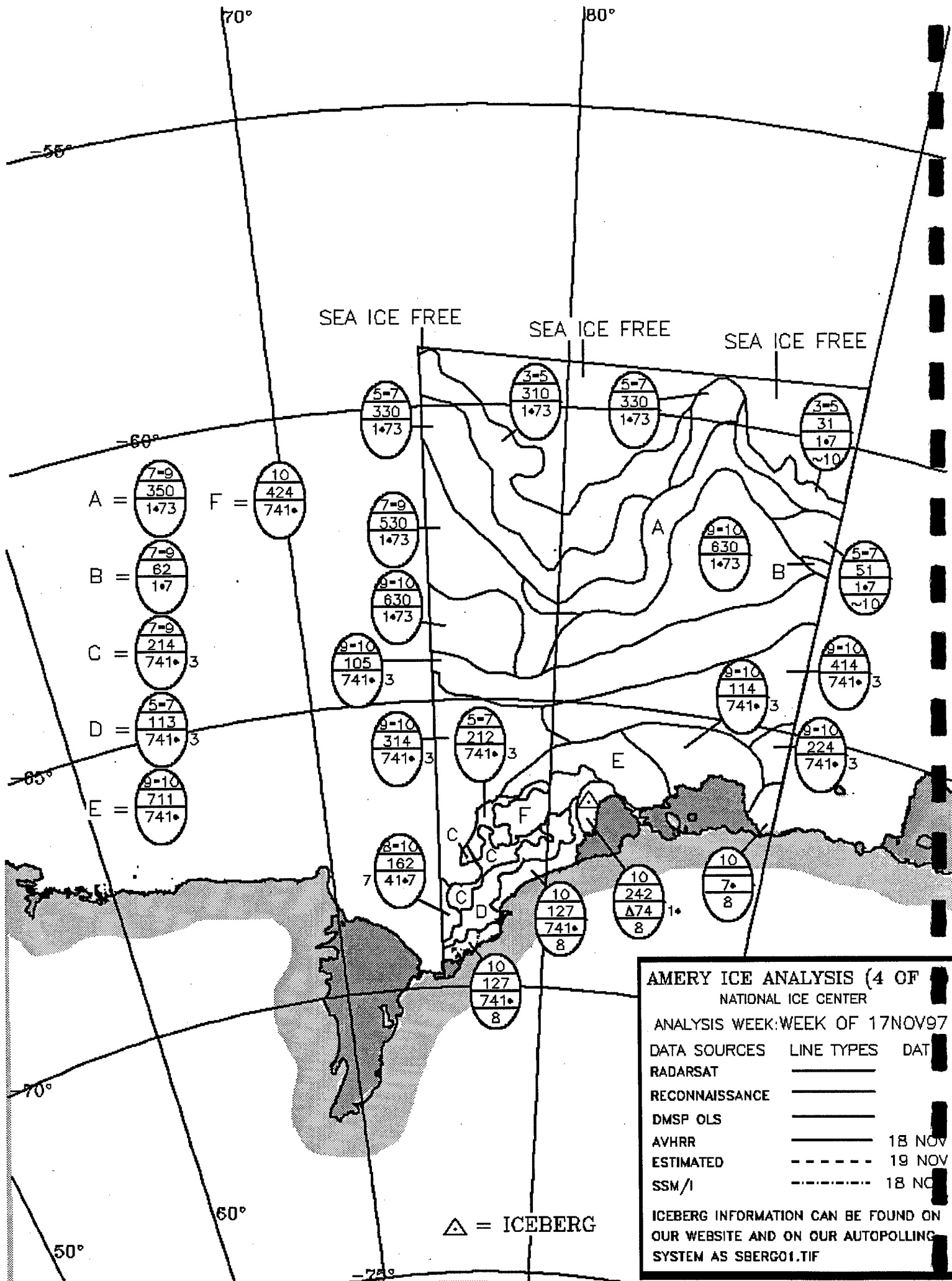
AVHRR

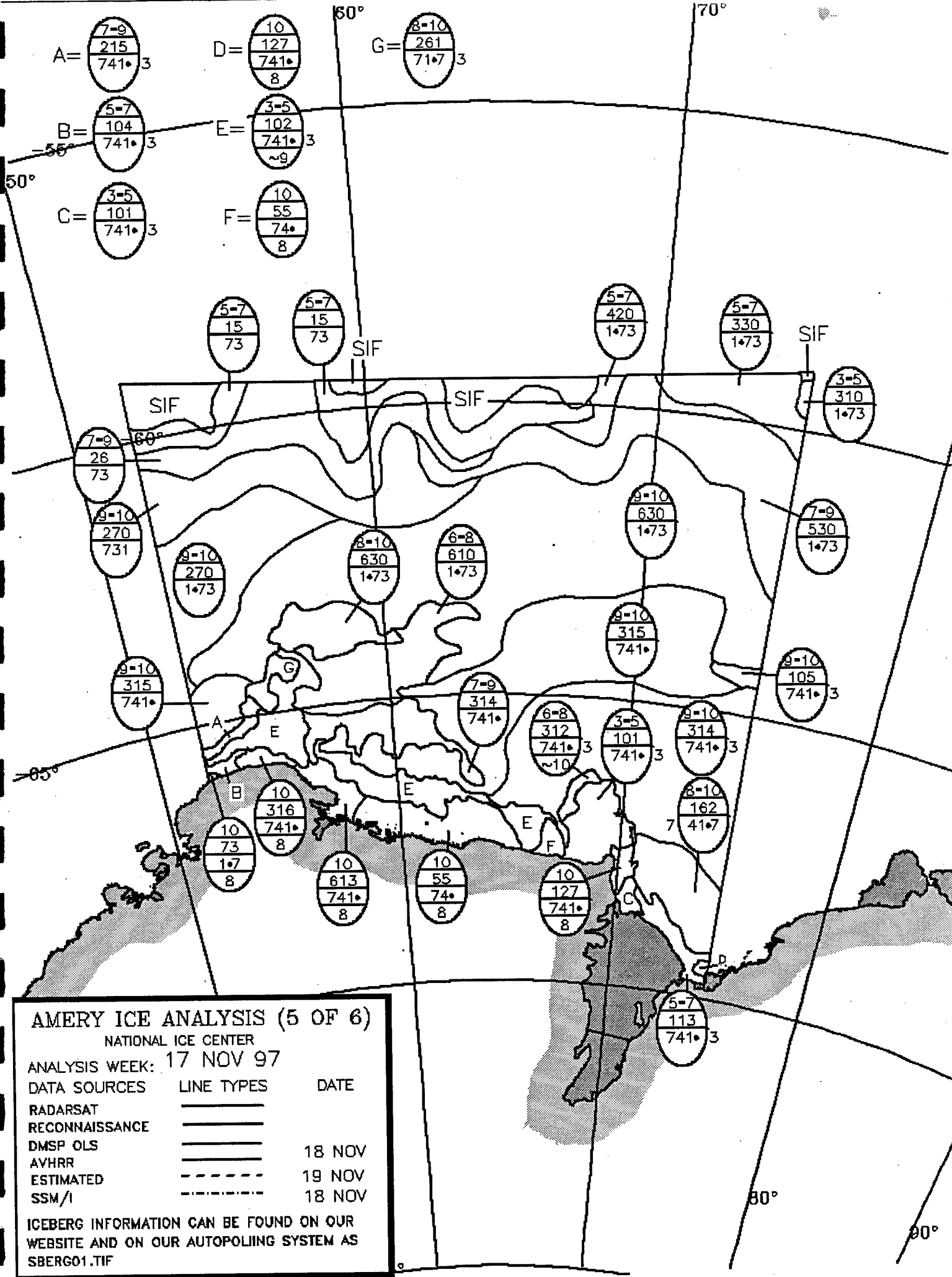
ESTIMATED

SSM/I

18 NOV

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF





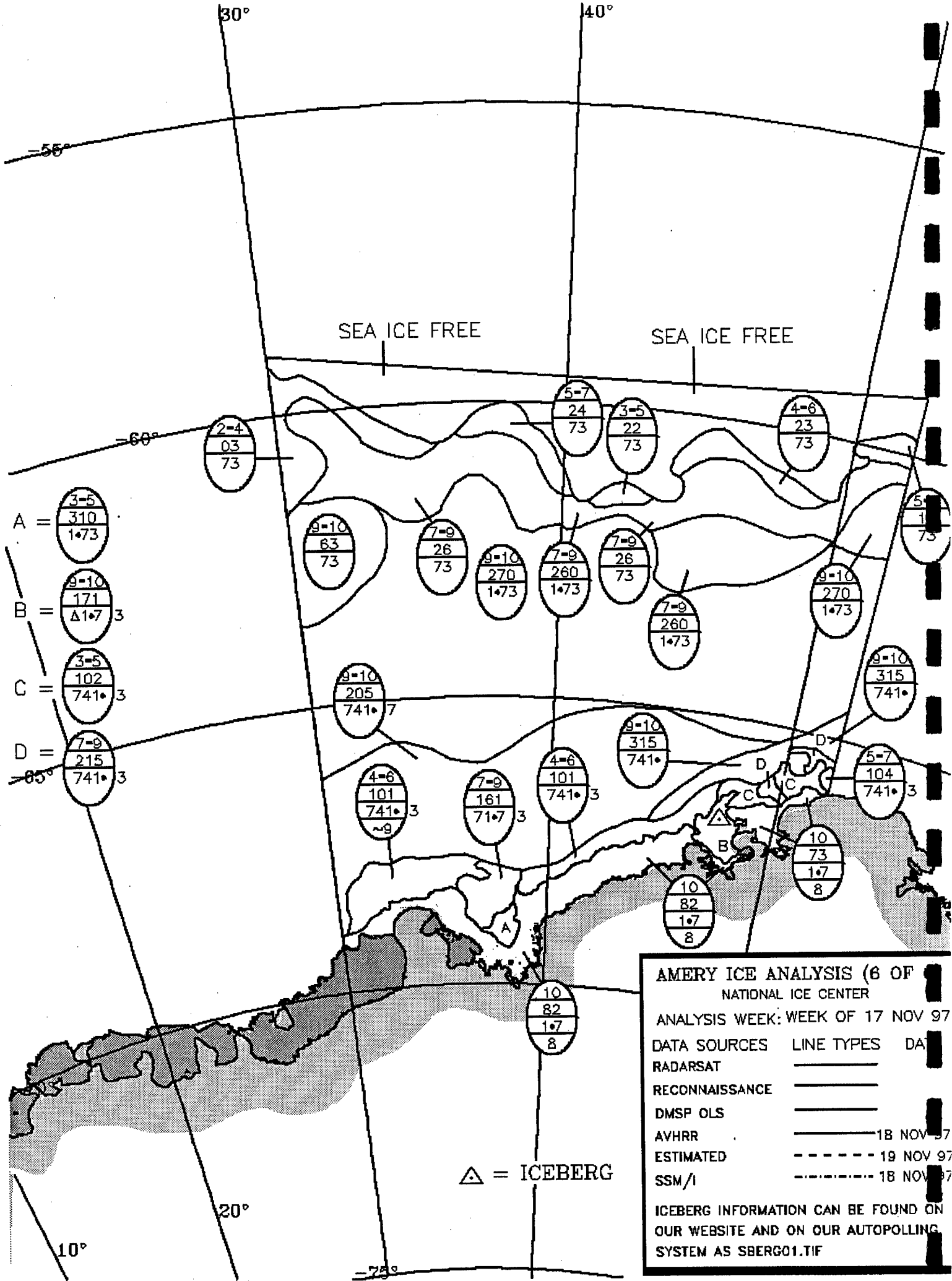
AMERY ICE ANALYSIS (5 OF 6)

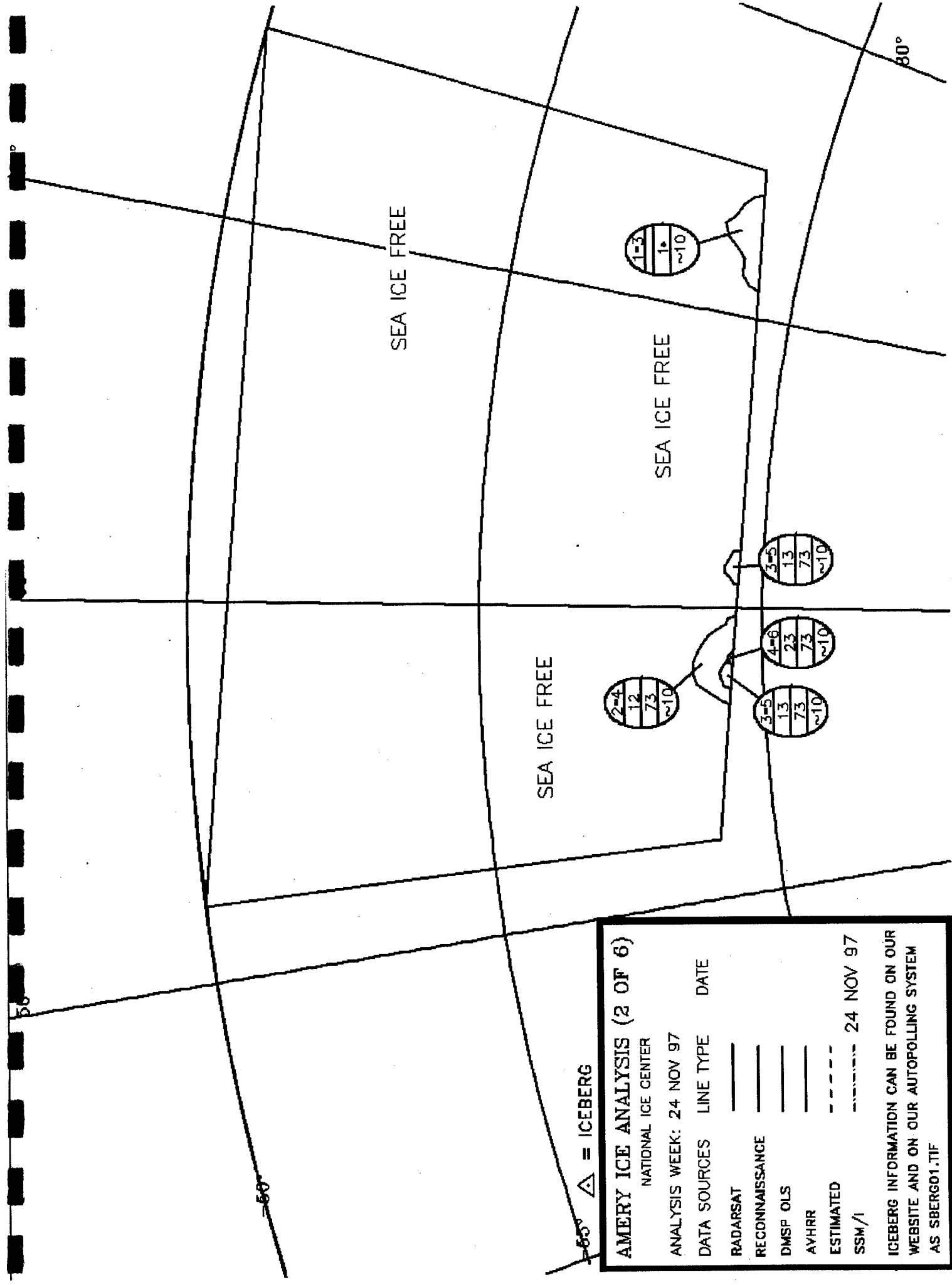
NATIONAL ICE CENTER

ANALYSIS WEEK: 17 NOV 97

DATA SOURCES	LINE TYPES	DATE
RADARSAT	=====	
RECONNAISSANCE	=====	
DMSP OLS	=====	18 NOV
AVHRR	=====	19 NOV
ESTIMATED	-----	18 NOV
SSM/I	-----	

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLING SYSTEM AS SBERG01.TIF





50° Δ = ICEBERG

AMERY ICE ANALYSIS (2 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: 24 NOV 97

DATA SOURCES LINE TYPE DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

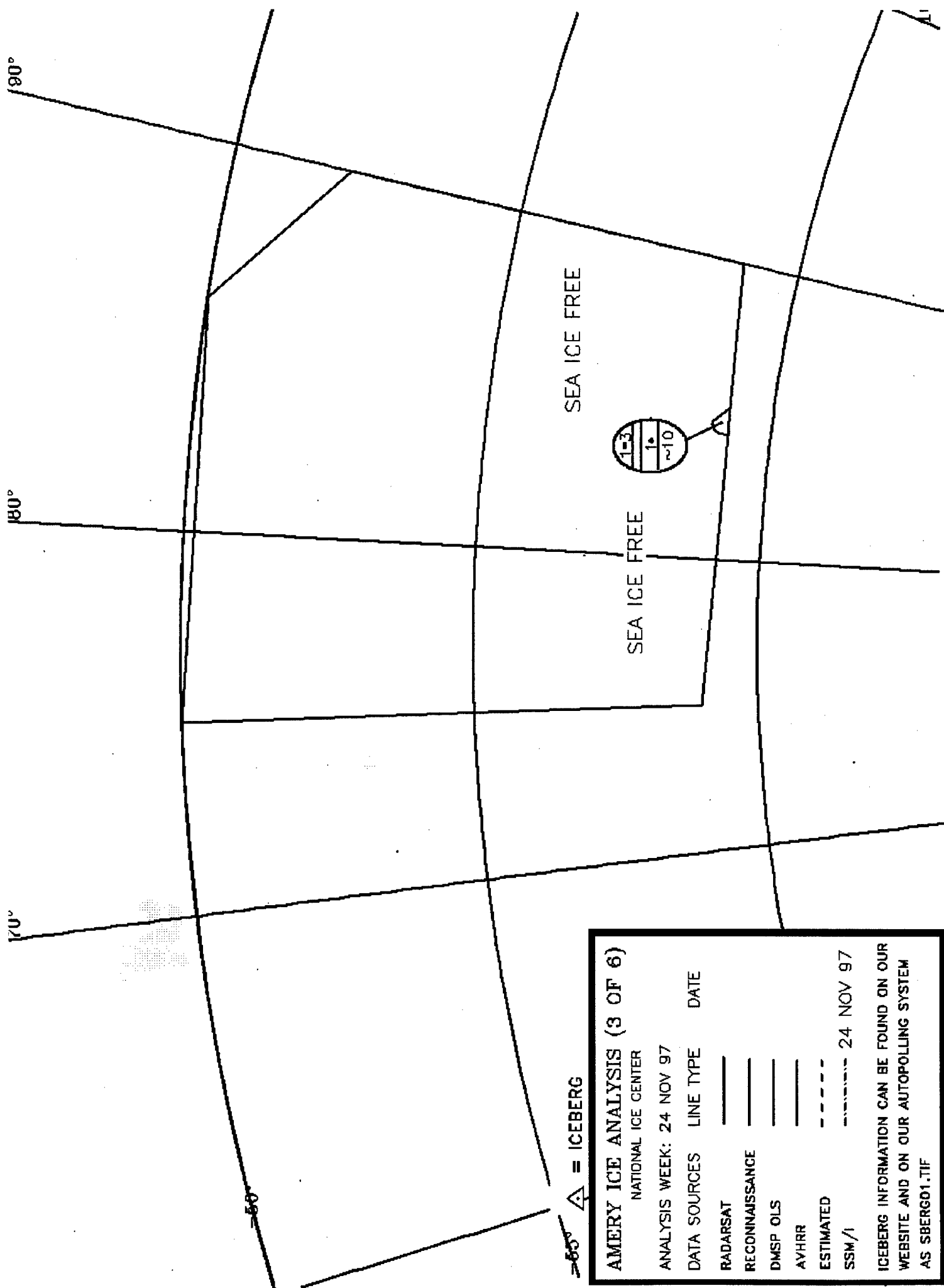
AVHRR

ESTIMATED

SSM/I

24 NOV 97

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS SBORG01.TIF

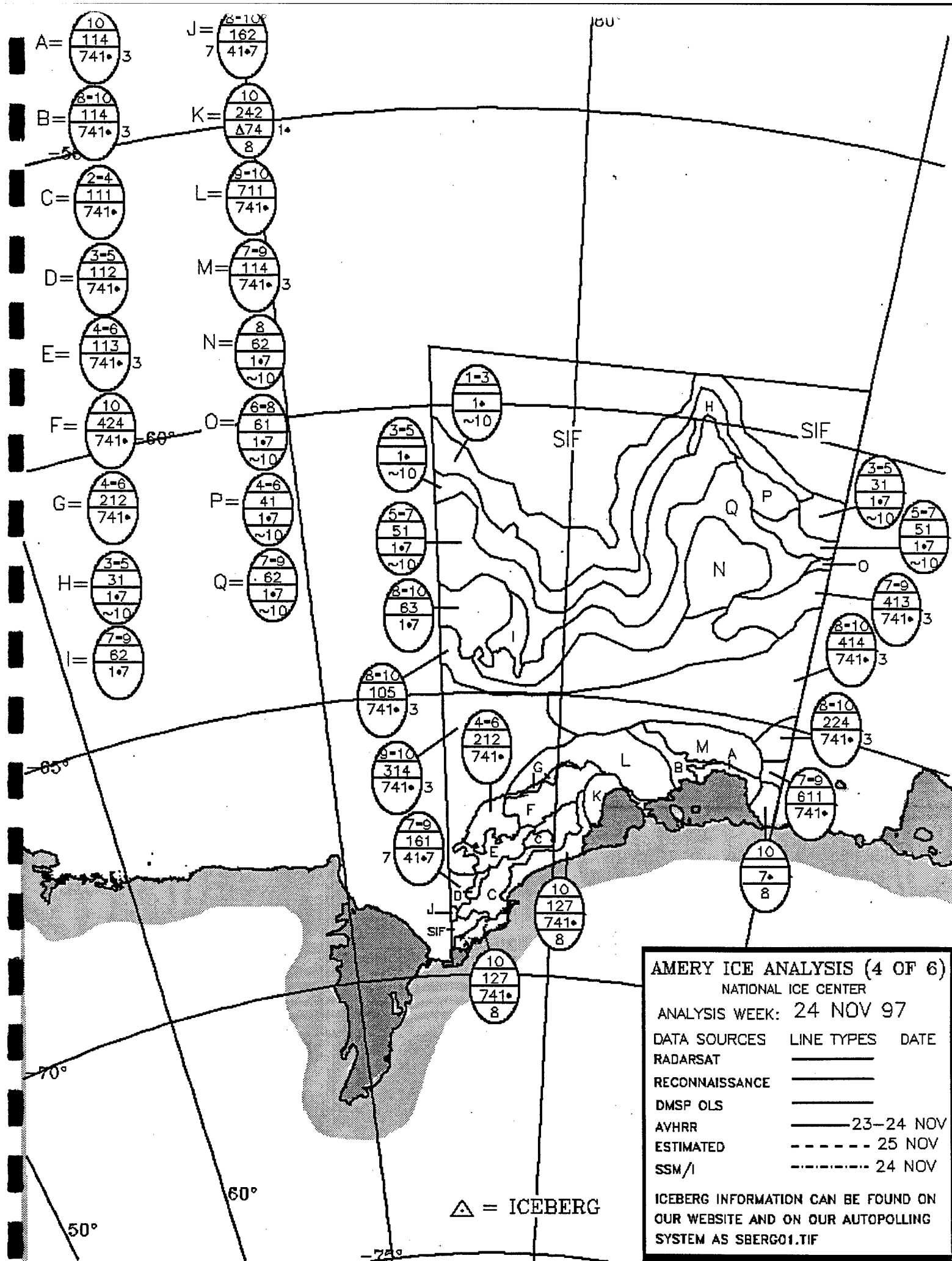


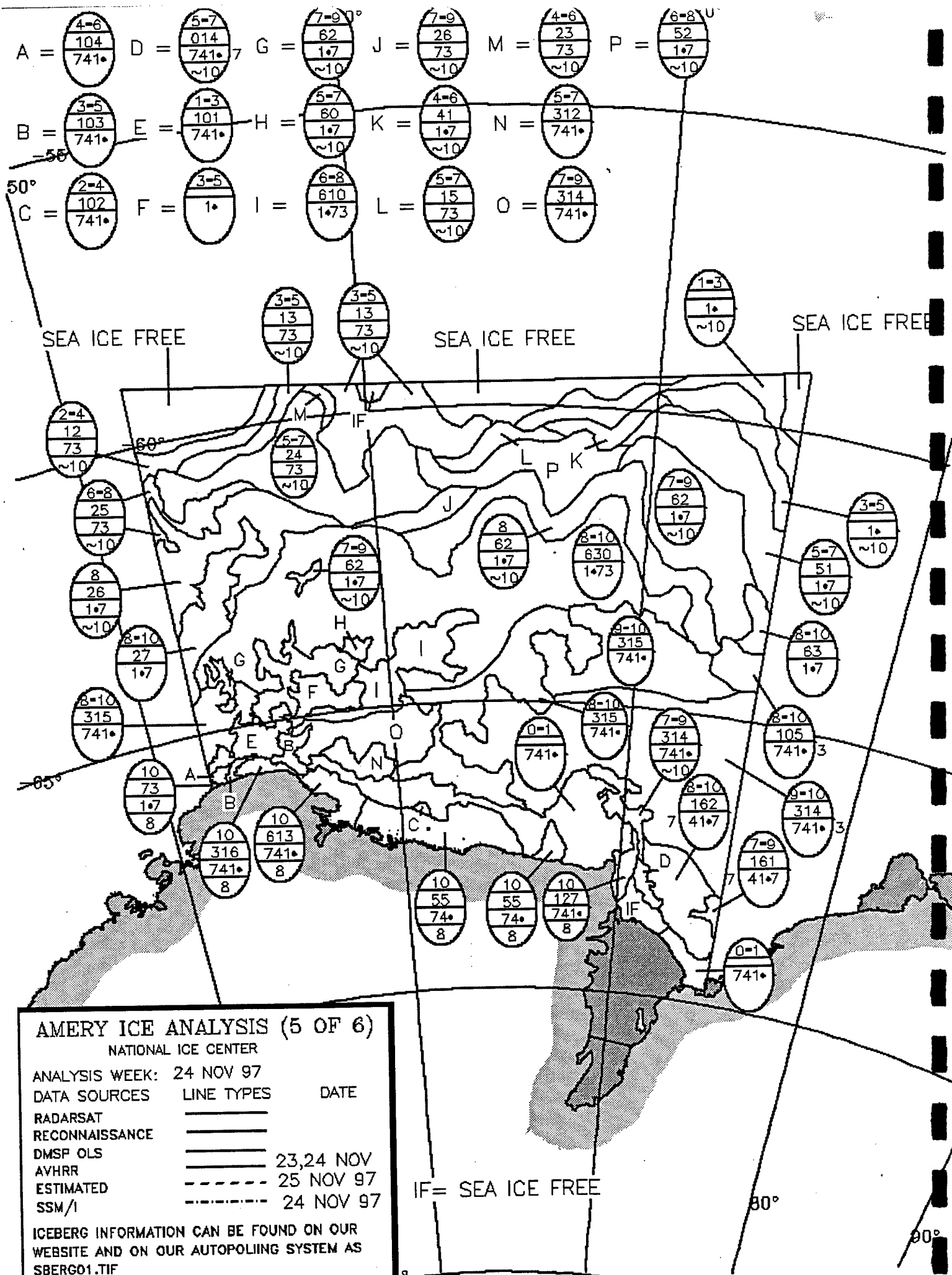
55° = ICEBERG

AMERY ICE ANALYSIS (3 OF 6)
 NATIONAL ICE CENTER
 ANALYSIS WEEK: 24 NOV 97

DATA SOURCES	LINE TYPE	DATE
RADARSAT	---	
RECONNAISSANCE	---	
DMSP OLS	---	
AVHRR	---	
ESTIMATED	---	
SSM /1	-----	24 NOV 97

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS SBORG01.TIF





AMERY ICE ANALYSIS (5 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: 24 NOV 97

DATA SOURCES LINE TYPES DATE

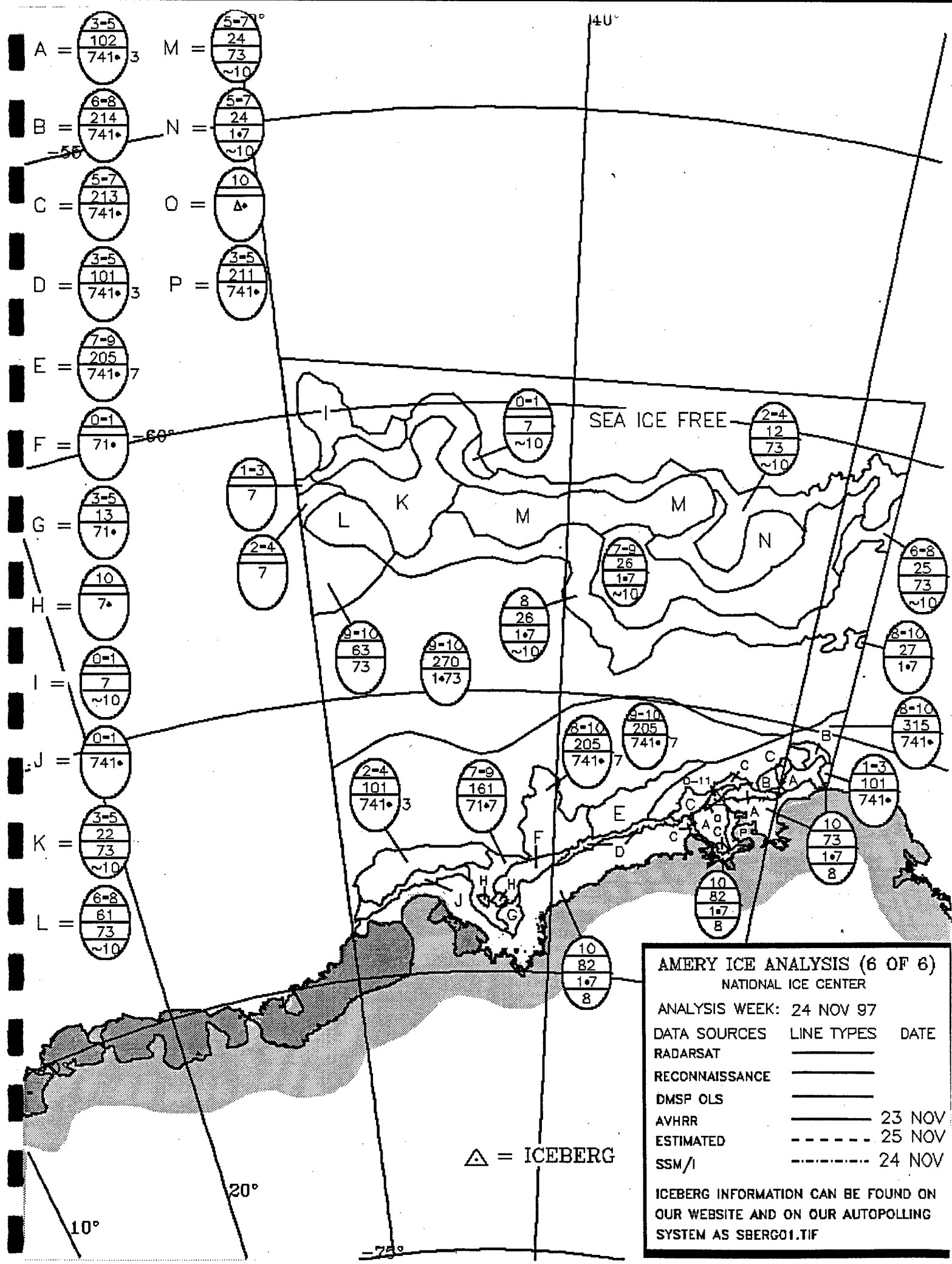
RADARSAT
 RECONNAISSANCE
 DMSF OLS
 AVHRR
 ESTIMATED
 SSM/I

23,24 NOV

25 NOV 97

24 NOV 97

ICEBERG INFORMATION CAN BE FOUND ON OUR
 WEBSITE AND ON OUR AUTOPOLING SYSTEM AS
 SBERG01.TIF



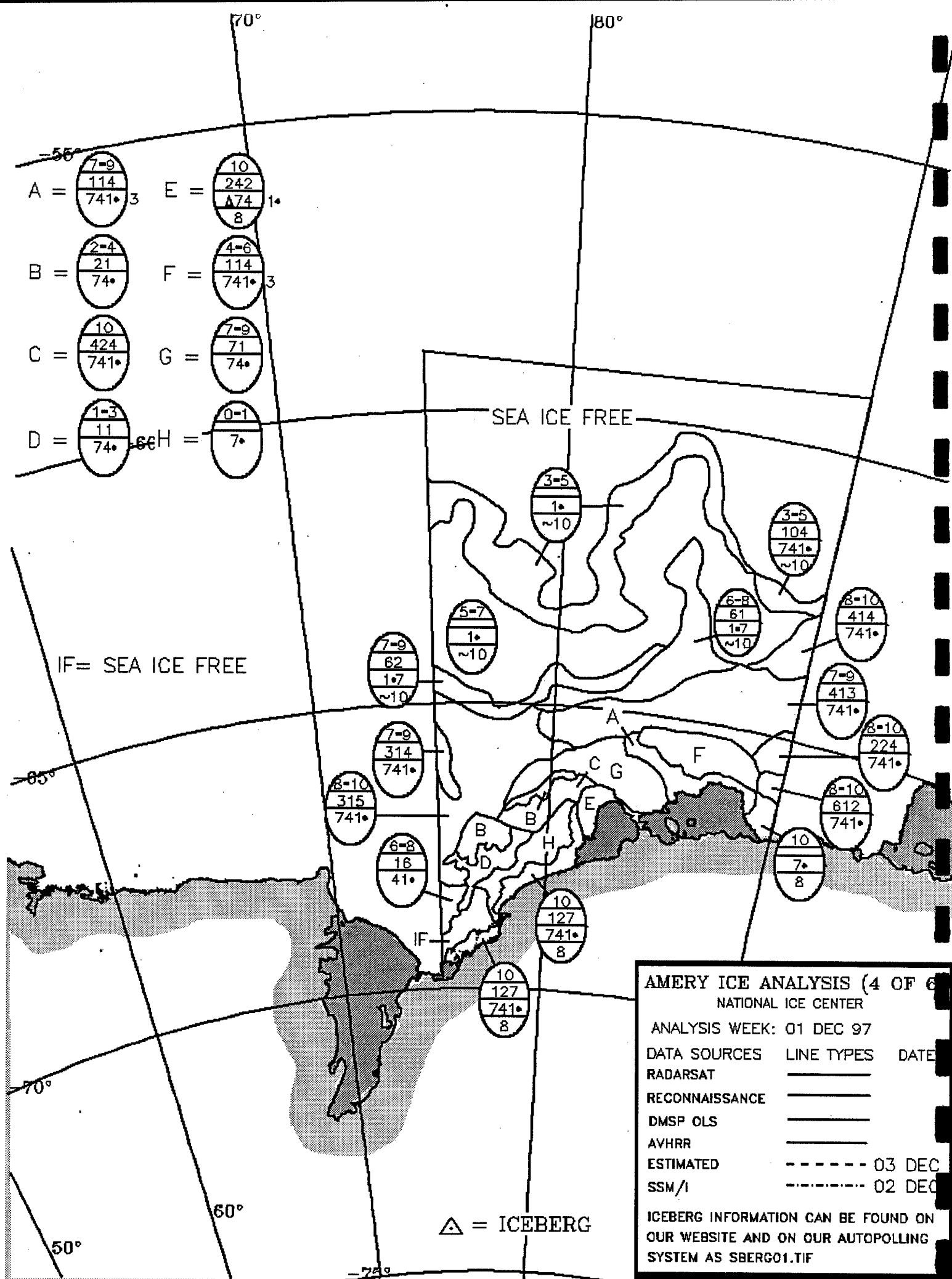
- A = $\frac{3-5}{102}$ 3 M = $\frac{5-7}{24}$ 73 ~10
- B = $\frac{6-8}{214}$ 741 N = $\frac{5-7}{24}$ 73 ~10
- C = $\frac{5-7}{213}$ 741 O = $\frac{10}{\Delta}$
- D = $\frac{3-5}{101}$ 741 3 P = $\frac{3-5}{211}$ 741
- E = $\frac{7-9}{205}$ 741 7
- F = $\frac{0-1}{71}$ 71 ~60
- G = $\frac{3-5}{13}$ 71
- H = $\frac{10}{7}$
- I = $\frac{0-1}{7}$ ~10
- J = $\frac{0-1}{741}$
- K = $\frac{3-5}{22}$ 73 ~10
- L = $\frac{6-8}{61}$ 73 ~10

AMERY ICE ANALYSIS (6 OF 6)
 NATIONAL ICE CENTER

ANALYSIS WEEK: 24 NOV 97

DATA SOURCES	LINE TYPES	DATE
RADARSAT	_____	
RECONNAISSANCE	_____	
DMSP OLS	_____	
AVHRR	_____	23 NOV
ESTIMATED	-----	25 NOV
SSM/I	-----	24 NOV

ICEBERG INFORMATION CAN BE FOUND ON
 OUR WEBSITE AND ON OUR AUTOPOLLING
 SYSTEM AS SBORG01.TIF



AMERY ICE ANALYSIS (4 OF 6) NATIONAL ICE CENTER

ANALYSIS WEEK: 01 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT _____

RECONNAISSANCE _____

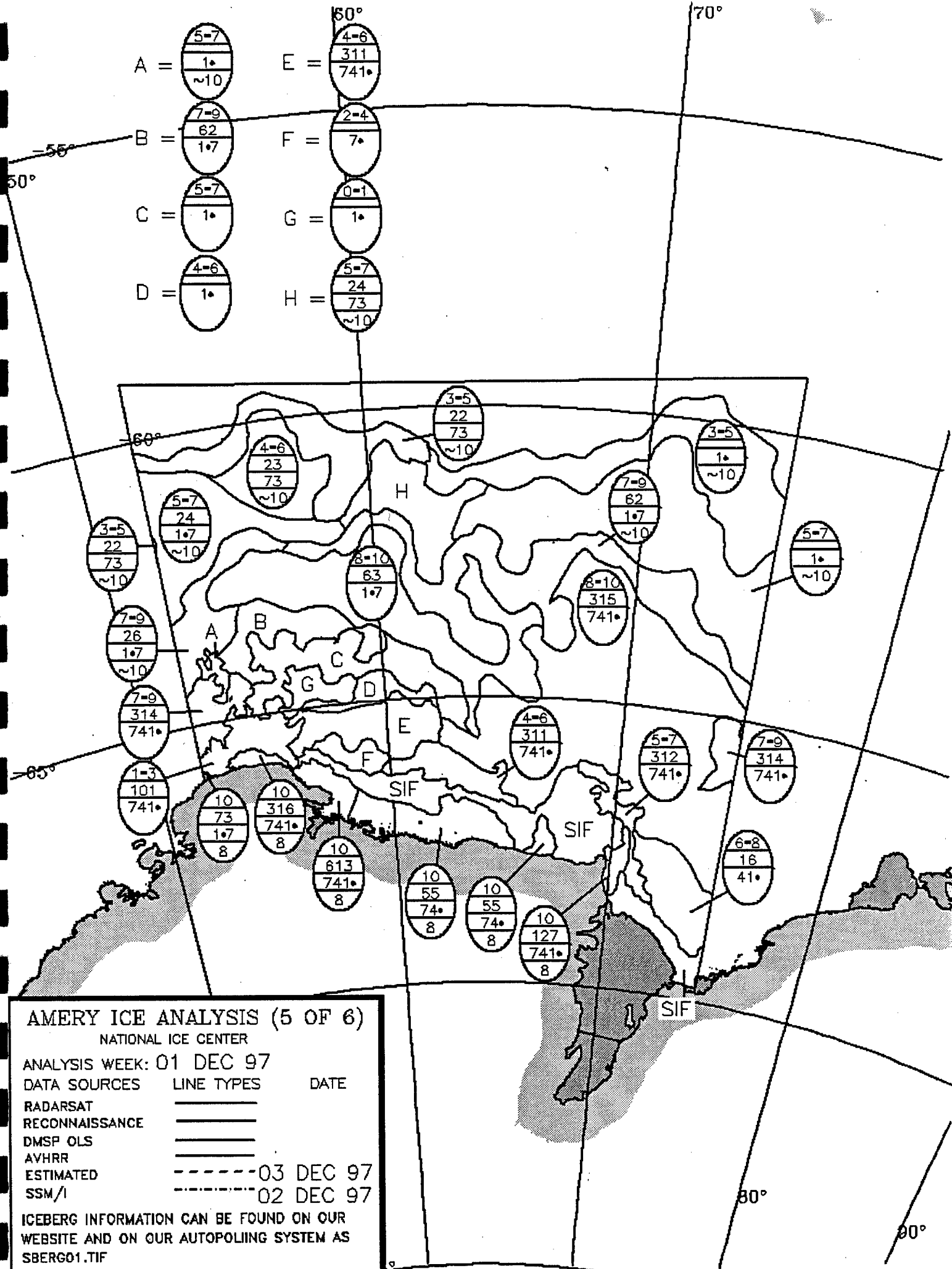
DMSP OLS _____

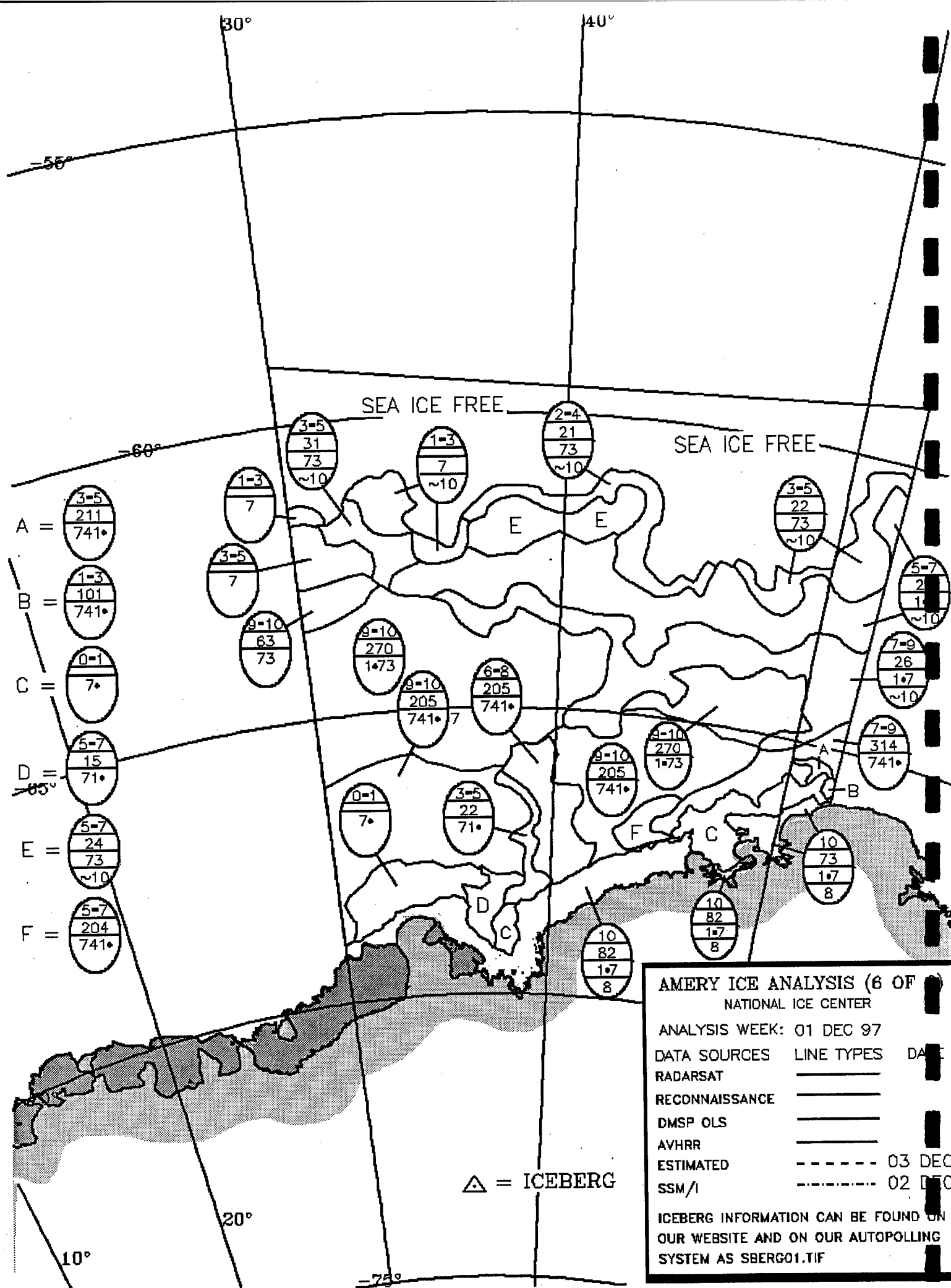
AVHRR _____

ESTIMATED ----- 03 DEC

SSM/I ----- 02 DEC

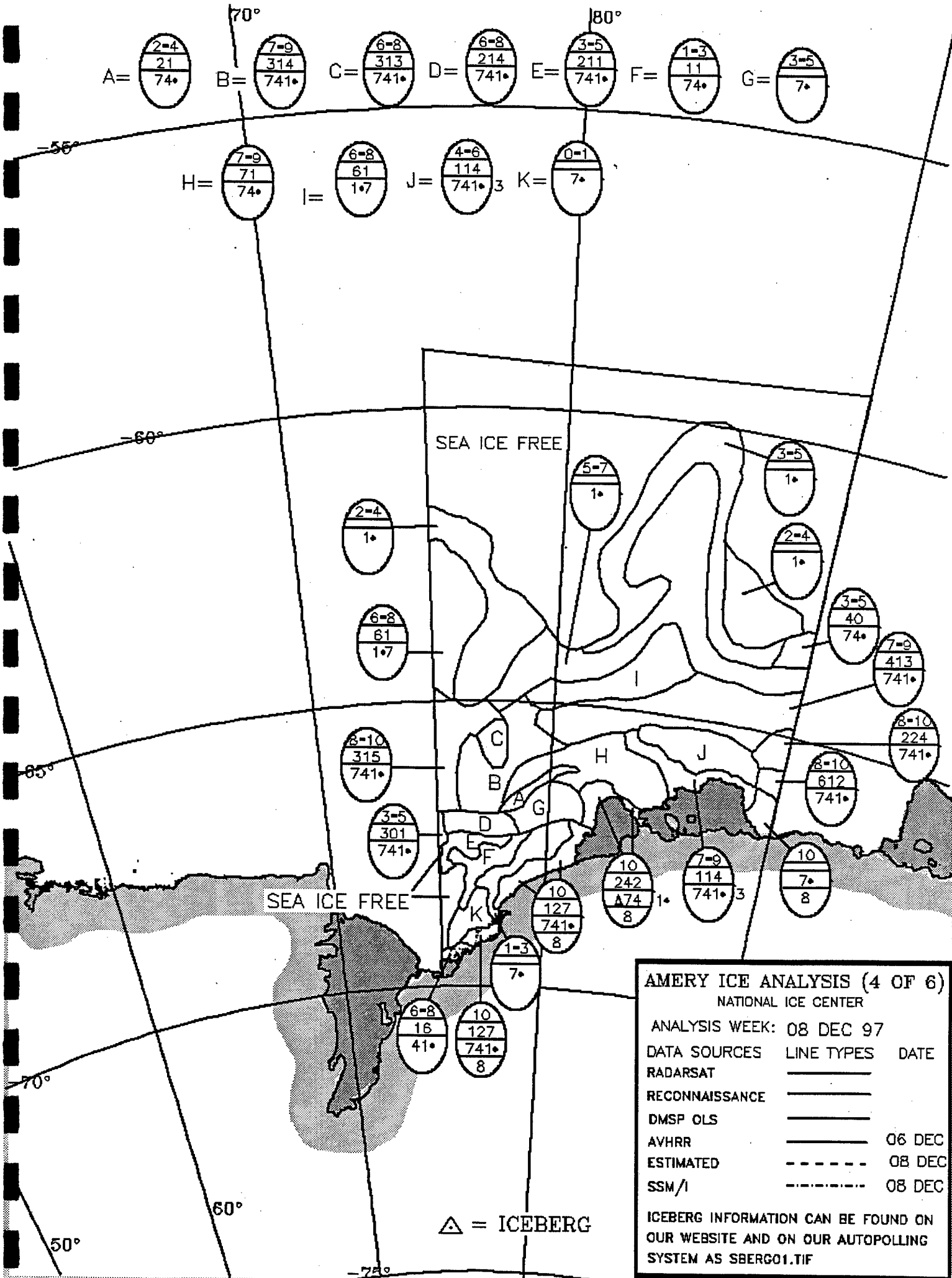
ICEBERG INFORMATION CAN BE FOUND ON
OUR WEBSITE AND ON OUR AUTOPOLLING
SYSTEM AS SBORG01.TIF





$A = \frac{2-4}{21} \frac{74}{74}$
 $B = \frac{7-9}{314} \frac{741}{741}$
 $C = \frac{6-8}{313} \frac{741}{741}$
 $D = \frac{6-8}{214} \frac{741}{741}$
 $E = \frac{3-5}{211} \frac{741}{741}$
 $F = \frac{1-3}{11} \frac{74}{74}$
 $G = \frac{3-5}{7}$

$H = \frac{7-9}{71} \frac{74}{74}$
 $I = \frac{6-8}{61} \frac{17}{17}$
 $J = \frac{4-6}{114} \frac{741}{741}$
 $K = \frac{0-1}{7}$



AMERY ICE ANALYSIS (4 OF 6) NATIONAL ICE CENTER

ANALYSIS WEEK: 08 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT _____

RECONNAISSANCE _____

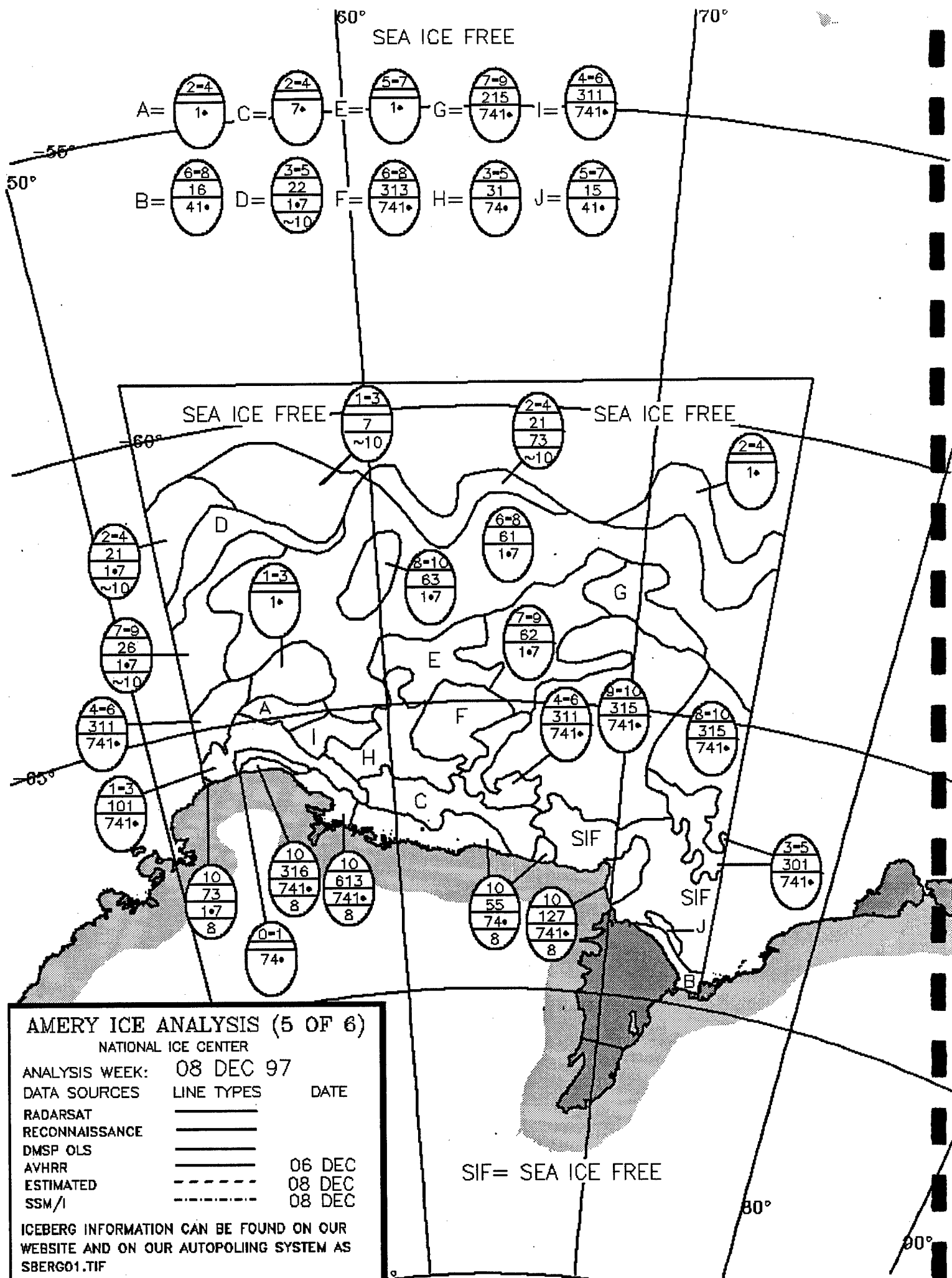
DMSP OLS _____

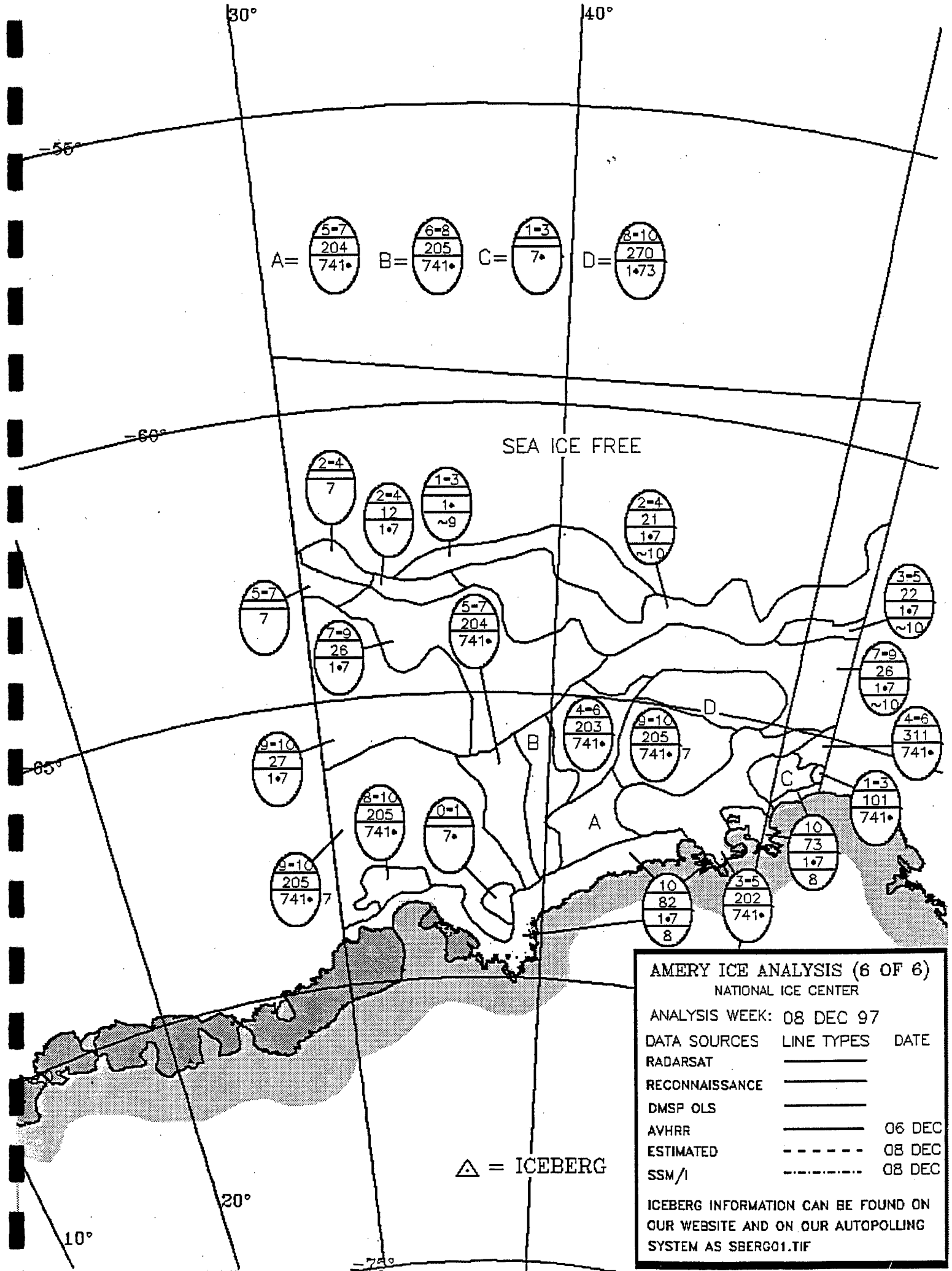
AVHRR _____ 06 DEC

ESTIMATED ----- 08 DEC

SSM/I ----- 08 DEC

ICEBERG INFORMATION CAN BE FOUND ON
OUR WEBSITE AND ON OUR AUTOPOLLING
SYSTEM AS SBERG01.TIF



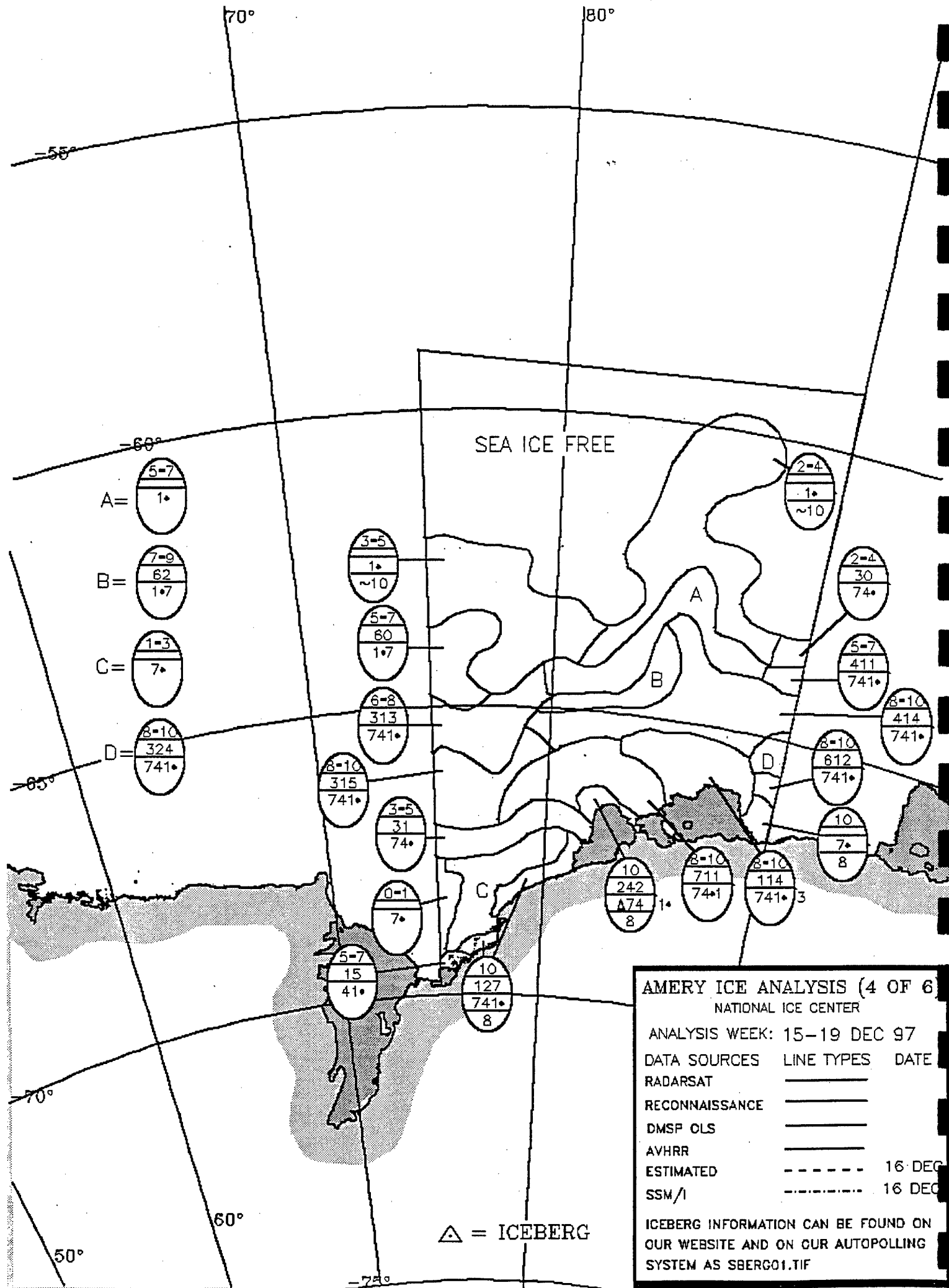


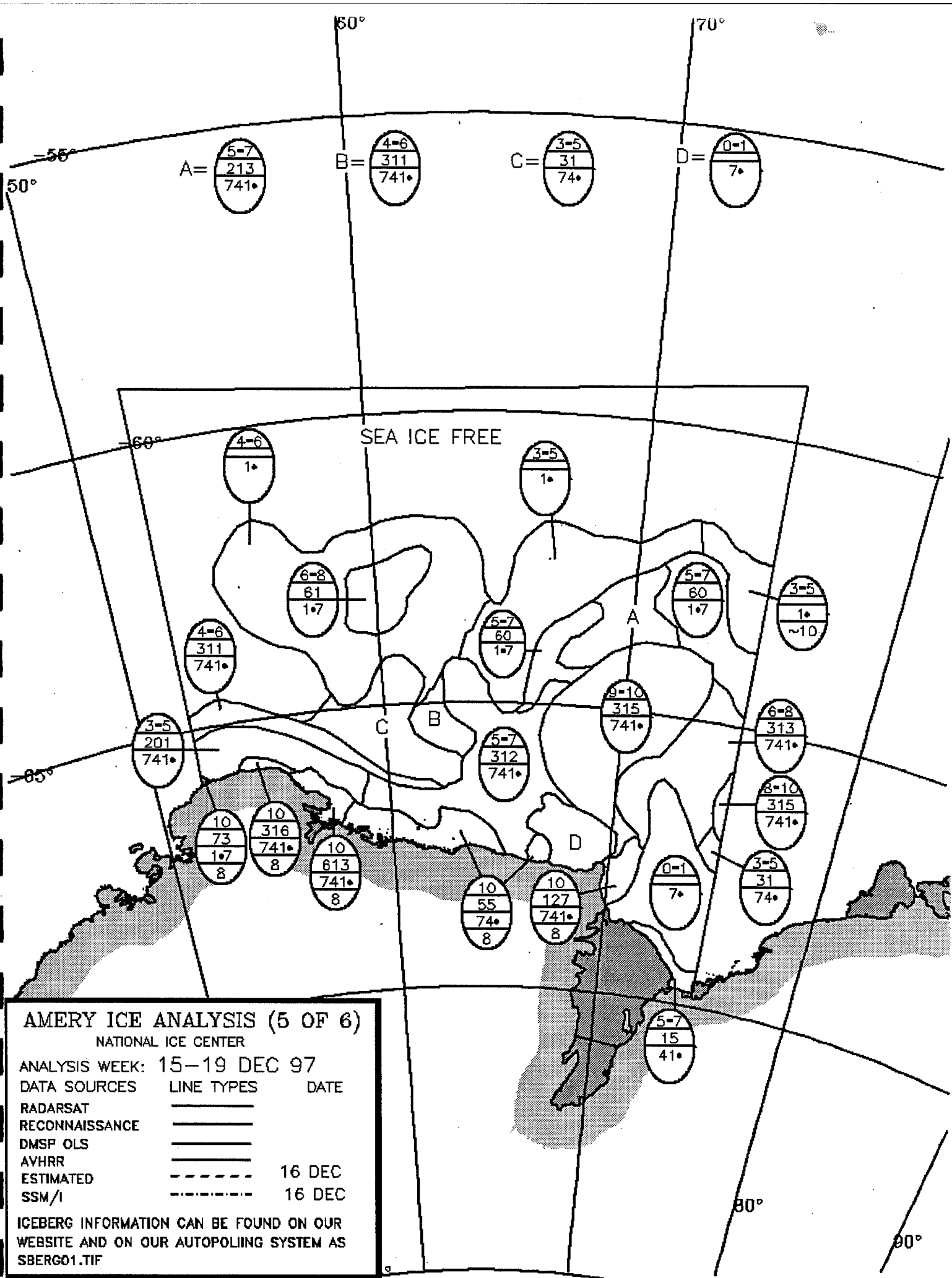
A = $\begin{array}{c} 5-7 \\ 204 \\ 741 \end{array}$ B = $\begin{array}{c} 6-8 \\ 205 \\ 741 \end{array}$ C = $\begin{array}{c} 1-3 \\ 7 \end{array}$ D = $\begin{array}{c} 8-10 \\ 270 \\ 1 \cdot 73 \end{array}$

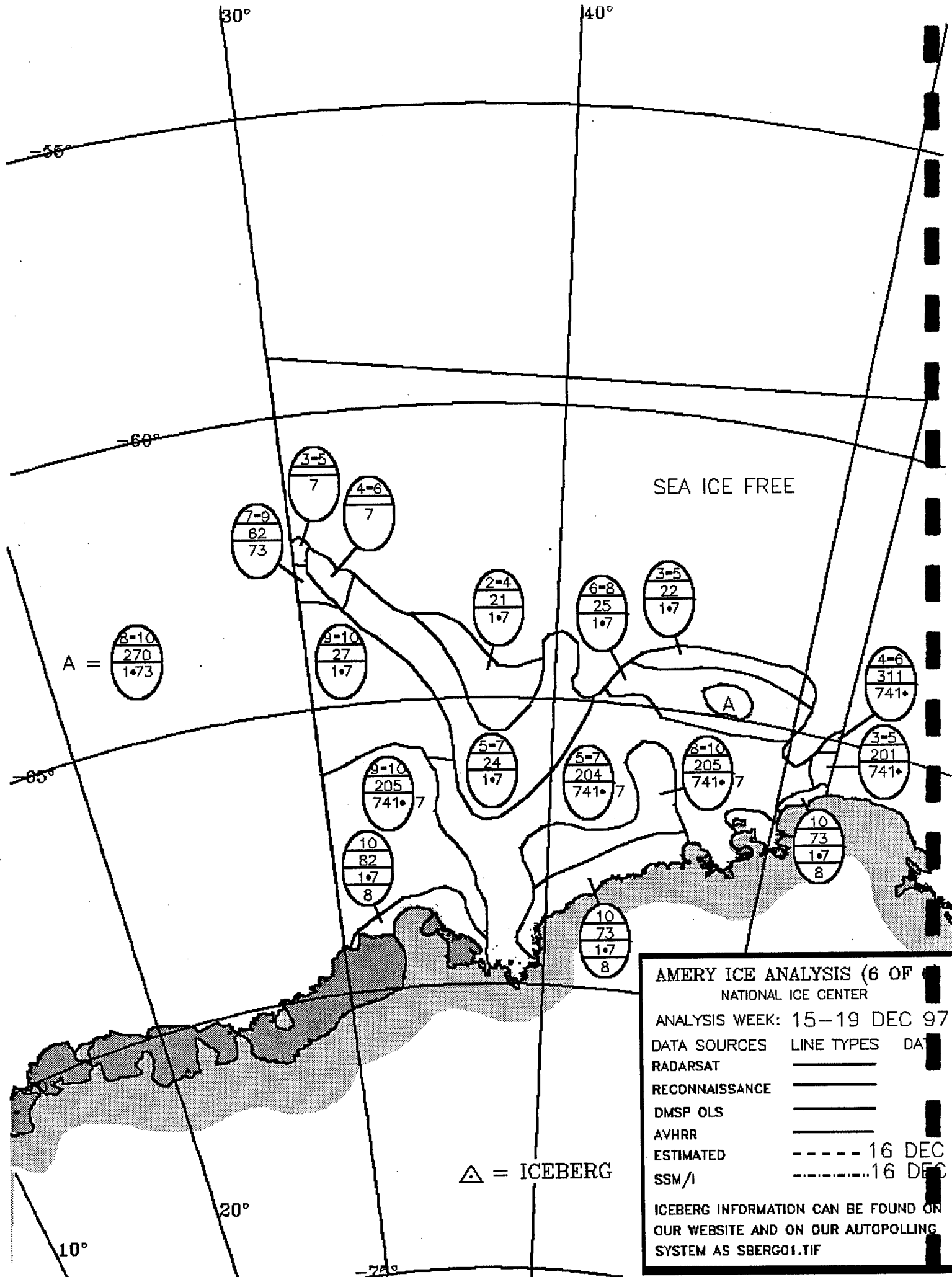
$\begin{array}{c} 2-4 \\ 7 \end{array}$ $\begin{array}{c} 2-4 \\ 12 \\ 1 \cdot 7 \end{array}$ $\begin{array}{c} 1-3 \\ 1 \cdot \\ \sim 9 \end{array}$ $\begin{array}{c} 2-4 \\ 21 \\ 1 \cdot 7 \\ \sim 10 \end{array}$ $\begin{array}{c} 3-5 \\ 22 \\ 1 \cdot 7 \\ \sim 10 \end{array}$

$\begin{array}{c} 5-7 \\ 7 \end{array}$ $\begin{array}{c} 7-9 \\ 26 \\ 1 \cdot 7 \end{array}$ $\begin{array}{c} 5-7 \\ 204 \\ 741 \end{array}$ $\begin{array}{c} 4-6 \\ 203 \\ 741 \end{array}$ $\begin{array}{c} 9-10 \\ 205 \\ 741 \end{array}$ $\begin{array}{c} 7-9 \\ 26 \\ 1 \cdot 7 \\ \sim 10 \end{array}$ $\begin{array}{c} 4-6 \\ 311 \\ 741 \end{array}$

$\begin{array}{c} 9-10 \\ 27 \\ 1 \cdot 7 \end{array}$ $\begin{array}{c} 8-10 \\ 205 \\ 741 \end{array}$ $\begin{array}{c} 0-1 \\ 7 \end{array}$ $\begin{array}{c} 9-10 \\ 205 \\ 741 \end{array}$ $\begin{array}{c} 10 \\ 82 \\ 1 \cdot 7 \\ 8 \end{array}$ $\begin{array}{c} 3-5 \\ 202 \\ 741 \end{array}$ $\begin{array}{c} 10 \\ 73 \\ 1 \cdot 7 \\ 8 \end{array}$ $\begin{array}{c} 1-3 \\ 101 \\ 741 \end{array}$

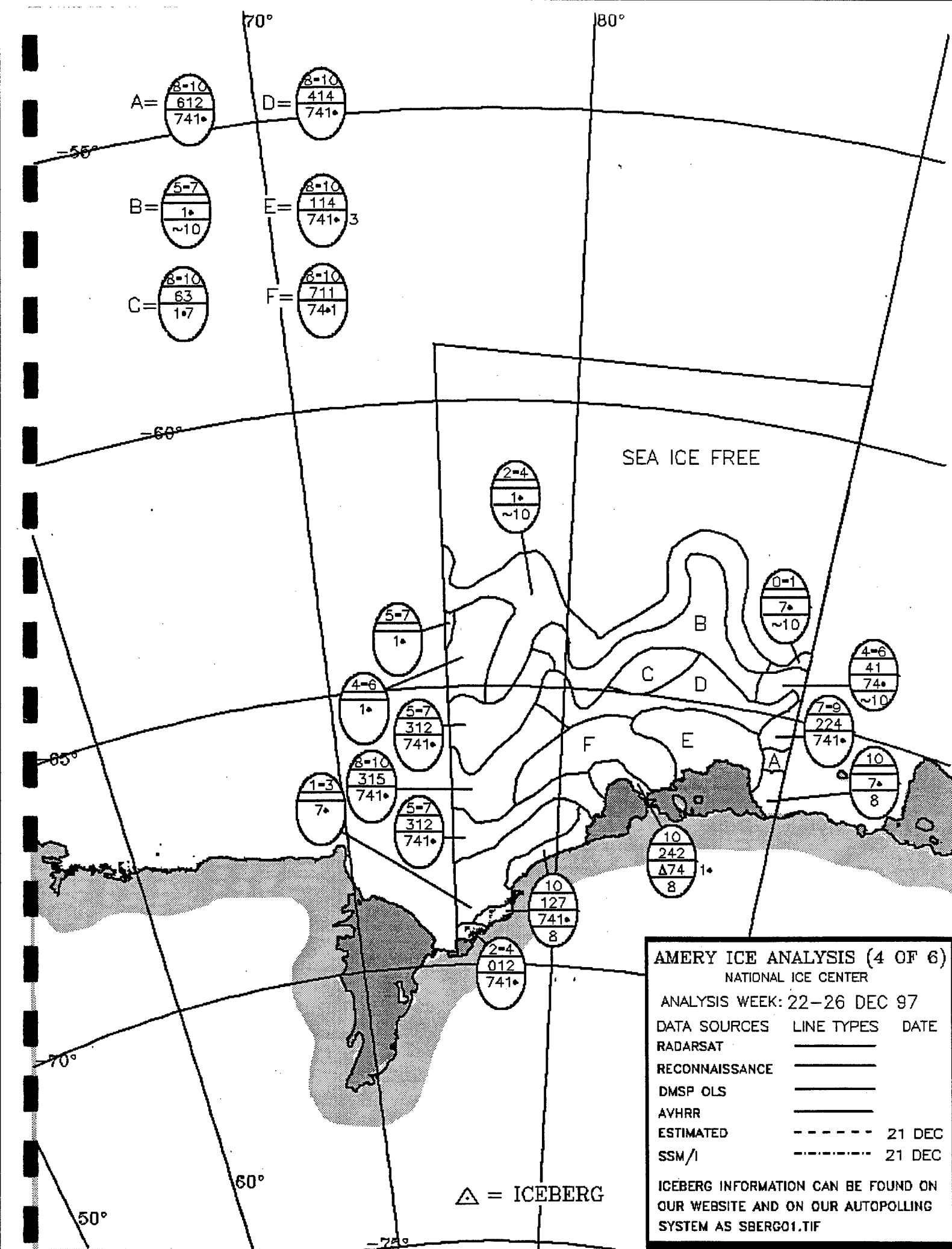






AMERY ICE ANALYSIS (6 OF 6)
 NATIONAL ICE CENTER
 ANALYSIS WEEK: 15-19 DEC 97
 DATA SOURCES LINE TYPES DATA
 RADARSAT _____
 RECONNAISSANCE _____
 DMSP OLS _____
 AVHRR _____
 ESTIMATED ----- 16 DEC
 SSM/I 16 DEC

ICEBERG INFORMATION CAN BE FOUND ON
 OUR WEBSITE AND ON OUR AUTOPOLLING
 SYSTEM AS SBERG01.TIF



30°

40°

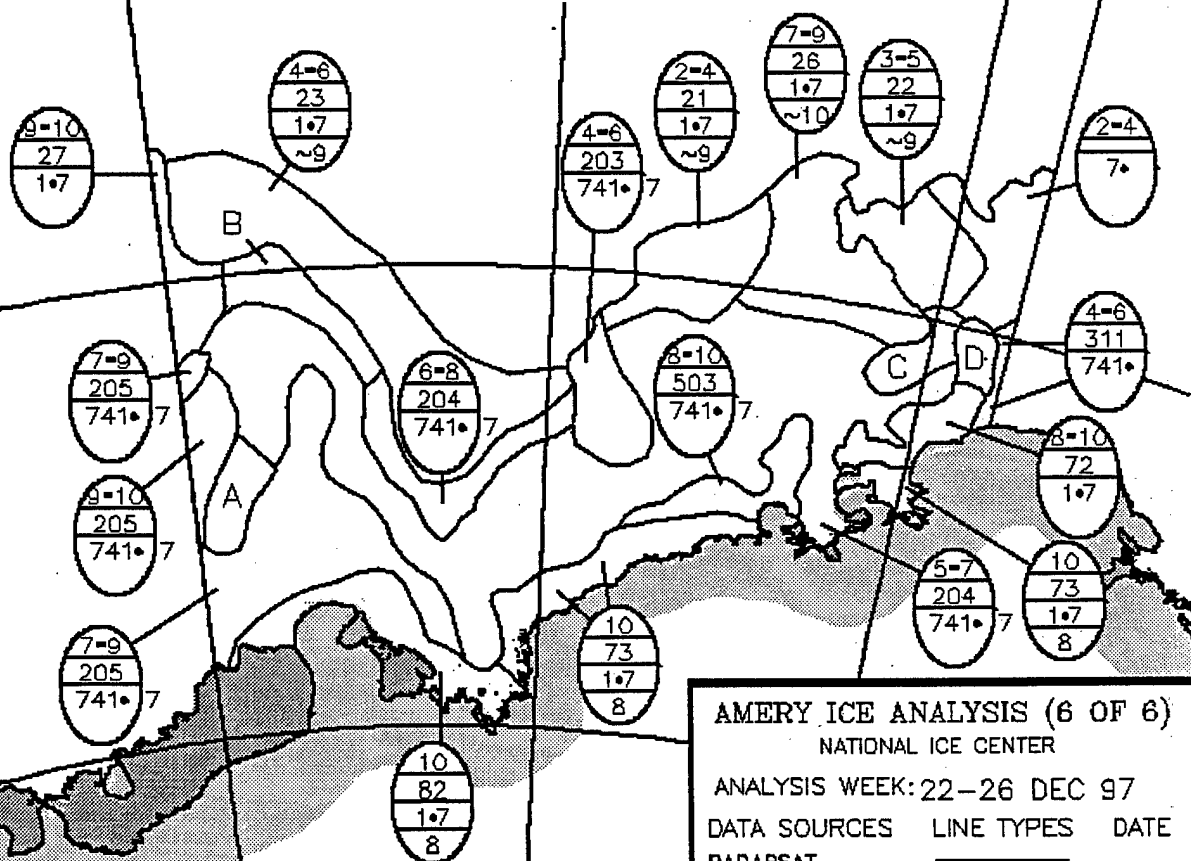
-55°

$$A = \frac{6-8}{205} \frac{741 \cdot}{7} \quad B = \frac{5-7}{24} \frac{1 \cdot}{7} \quad C = \frac{0-1}{7 \cdot} \quad D = \frac{3-5}{211} \frac{741 \cdot}{7}$$

-60°

SEA ICE FREE

-65°



AMERY ICE ANALYSIS (6 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: 22-26 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT _____

RECONNAISSANCE _____

DMSP OLS _____

AVHRR _____ 21 DEC

ESTIMATED - - - - - 21 DEC

SSM/I - - - - - 21 DEC

ICEBERG INFORMATION CAN BE FOUND ON
OUR WEBSITE AND ON OUR AUTOPOLLING
SYSTEM AS SBORG01.TIF

20°

10°

-75°

WILKESLAND ICE ANALYSIS (2 OF 4)

NATIONAL ICE CENTER

ANALYSIS DATE: WEEK OF 27 OCT 97

DATA SOURCES DATE

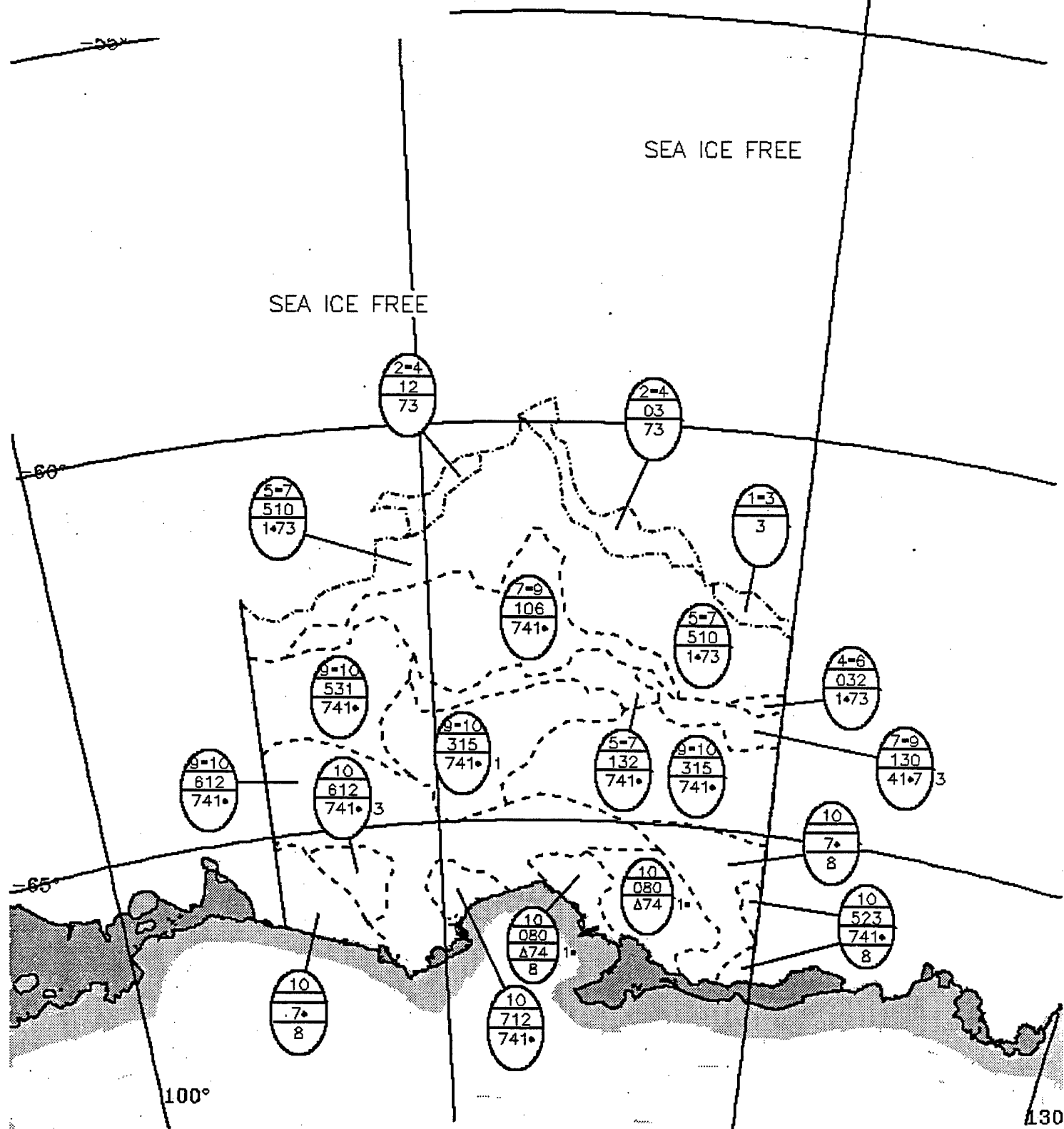
RECONNAISSANCE.....

SHIP.....

SSM/I..... 28 OCT 97

VISIBLE/INFRARED.....

RADAR.....



WILKESLAND ICE ANALYSIS (3 OF 4)

NATIONAL ICE CENTER

ANALYSIS DATE: WEEK OF 27 OCT 97

DATA SOURCES

DATE

RECONNAISSANCE.....

SHIP.....

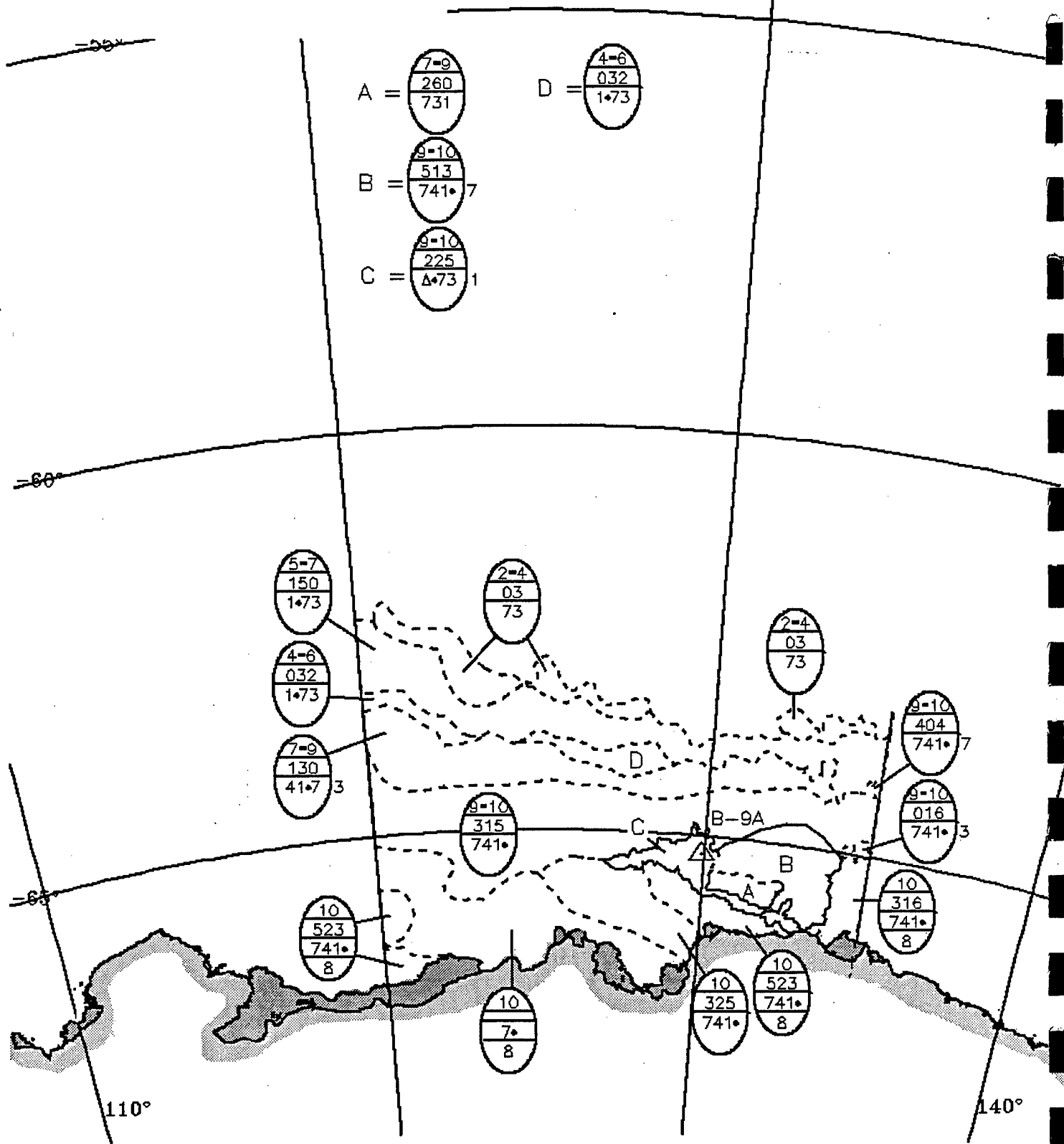
SSM/I..... 28 OCT 97

VISIBLE/INFRARED.....

RADAR.....

130°
△ = ICEBERG

ICEBERG INFORMATION CAN BE
FOUND ON OUR WEBSITE AND
ON OUR AUTOPOLLING SYSTEM
, AS SBERG01.TIF



WILKESLAND ICE ANALYSIS (4 OF 4)

NATIONAL ICE CENTER

ANALYSIS DATE: WEEK OF 27 OCT 97

DATA SOURCES DATE

RECONNAISSANCE.....

SHIP.....

SSM/I..... 28 OCT 97

VISIBLE/INFRARED.....

RADAR.....



= ICEBERG

ICEBERG DATA CAN BE
FOUND ON OUR WEBSITE AND ON
OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

A= $\frac{3-5}{220}$
 $\frac{1 \cdot 73}{\sim 10}$

F= $\frac{9-10}{700}$
 $\frac{741 \cdot 3}{741 \cdot 3}$

B= $\frac{9-10}{016}$
 $\frac{741 \cdot 3}{741 \cdot 3}$

G= $\frac{10}{514}$
 $\frac{741 \cdot 3}{741 \cdot 3}$

C= $\frac{8-10}{216}$
 $\frac{741 \cdot 3}{741 \cdot 3}$

H= $\frac{10}{7 \cdot 8}$

D= $\frac{9-10}{423}$
 $\frac{741 \cdot 3}{741 \cdot 3}$

I= $\frac{10}{\Delta \cdot 3}$

E= $\frac{10}{424}$
 $\frac{741 \cdot 3}{741 \cdot 3}$

SEA ICE FREE

SEA ICE FREE

60°

65°

140°

$\frac{5-7}{510}$
 $\frac{1 \cdot 73}{1 \cdot 73}$

$\frac{8-10}{102}$
 $\frac{741 \cdot 7}{741 \cdot 7}$

$\frac{3-5}{121}$
 $\frac{1 \cdot 73}{\sim 10}$

$\frac{1-3}{011}$
 $\frac{1 \cdot 73}{1 \cdot 73}$

$\frac{3-5}{121}$
 $\frac{1 \cdot 73}{\sim 10}$

$\frac{8-10}{261}$
 $\frac{1 \cdot 73}{1 \cdot 73}$

$\frac{9-10}{315}$
 $\frac{741 \cdot 3}{741 \cdot 3}$

$\frac{8-10}{160}$
 $\frac{1 \cdot 73}{1 \cdot 73}$

$\frac{9-10}{404}$
 $\frac{741 \cdot 7}{741 \cdot 7}$

$\frac{9-10}{102}$
 $\frac{741 \cdot 7}{741 \cdot 7}$

$\frac{8-10}{702}$
 $\frac{741 \cdot 3}{741 \cdot 3}$

$\frac{9-10}{54}$
 $\frac{1 \cdot 7}{1 \cdot 7}$

$\frac{8-10}{005}$
 $\frac{741 \cdot 3}{741 \cdot 3}$

$\frac{9-10}{810}$
 $\frac{741 \cdot 3}{741 \cdot 3}$

$\frac{10}{316}$
 $\frac{741 \cdot 8}{741 \cdot 8}$

$\frac{7-9}{212}$
 $\frac{741 \cdot 3}{741 \cdot 3}$

$\frac{10}{7 \cdot 8}$

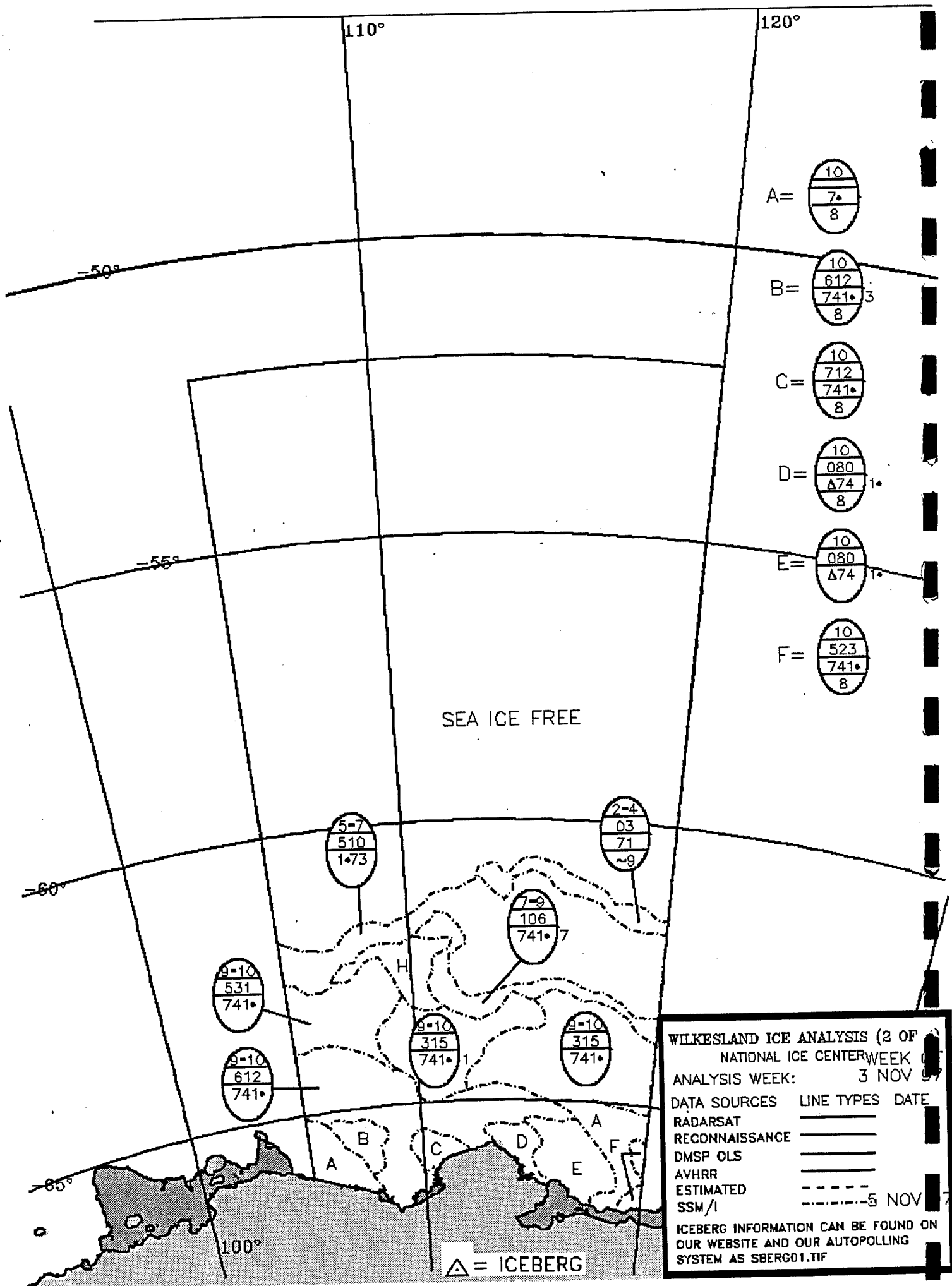
$\frac{10}{514}$
 $\frac{741 \cdot 3}{741 \cdot 3}$

$\frac{10}{19}$
 $\frac{41 \cdot 8}{41 \cdot 8}$

$\frac{10}{7 \cdot 8}$

$\frac{10}{7 \cdot 8}$

$\frac{10}{7 \cdot 8}$



A= $\frac{10}{523}$
741•
8

B= $\frac{7=9}{260}$
731

C= $\frac{9=10}{225}$
Δ•73 1

D= $\frac{7=9}{106}$
741• 7

E= $\frac{7=9}{130}$
41•7 3

SEA ICE FREE

$\frac{5=7}{510}$
1•73

$\frac{2=4}{03}$
73
~9

$\frac{5=7}{510}$
1•73

$\frac{9=10}{315}$
741•

$\frac{9=10}{016}$
741• 3

$\frac{10}{316}$
741•
8

$\frac{10}{7•}$
8

$\frac{10}{325}$
741•

$\frac{10}{523}$
741•

$\frac{9=10}{513}$
741• 7

WILKESLAND ICE ANALYSIS (3 OF 4)
NATIONAL ICE CENTER

ANALYSIS WEEK: 03 NOV 97

DATA SOURCES	LINE TYPES	DATE
RADARSAT	=====	
RECONNAISSANCE	=====	
DMSP OLS	=====	
AVHRR	=====	
ESTIMATED	-----	03 NOV 97
SSM/I	-----	

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND OUR AUTOPOLLING SYSTEMS AS
SBERG01.TIF

Δ = ICEBERG

130°

150°

A = $\frac{8-10}{810}$ 741• H = $\frac{9-10}{404}$ 741•
 B = $\frac{10}{514}$ 741• I = $\frac{9-10}{315}$ 741•
 C = $\frac{10}{424}$ 741• J = $\frac{8-10}{315}$ 741•
 D = $\frac{9-10}{423}$ 741• K = $\frac{10}{316}$ 741•
 E = $\frac{9-10}{117}$ 741• 3 L = $\frac{10}{7}$ 741•
 F = $\frac{9-10}{18}$ 41•
 G = $\frac{9-10}{810}$ 741•

SEA ICE FREE

SEA ICE FREE

WILKESLAND ICE ANALYSIS (4 OF 4)

NATIONAL ICE CENTER

ANALYSIS WEEK: 03 NOV 97

DATA SOURCES LINE TYPES DATE

RADARSAT _____

RECONNAISSANCE _____

DMSP OLS _____

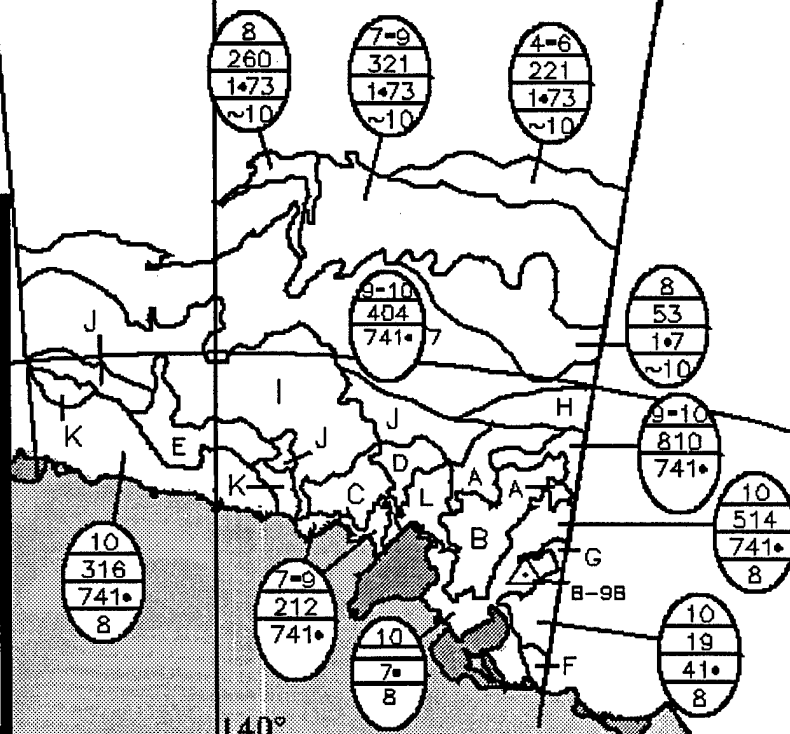
AVHRR _____

ESTIMATED - - - - -

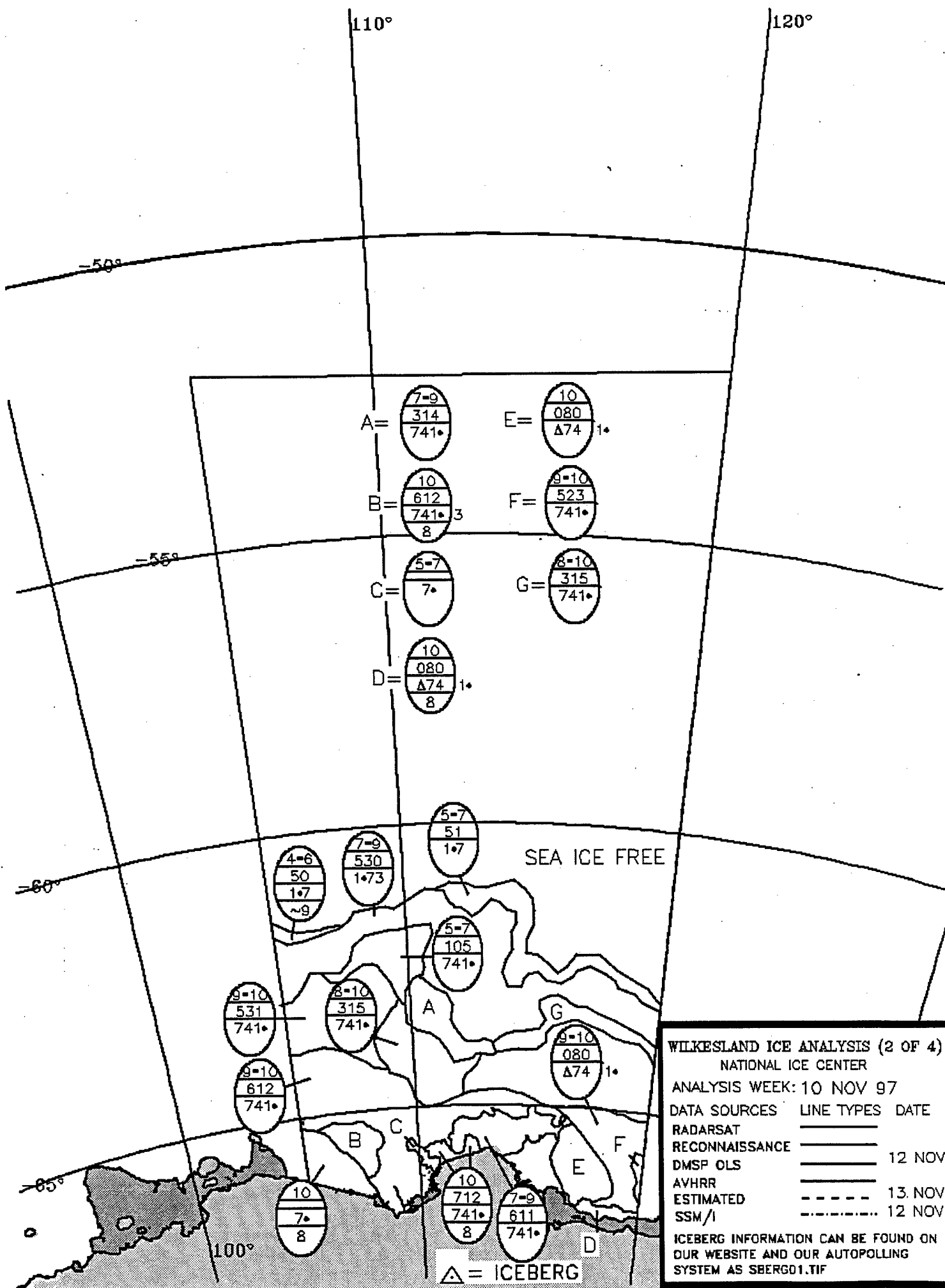
SSM/I _____

ICEBERG INFORMATION CAN BE FOUND ON OUR
 WEBSITE AND OUR AUTOPOLLING SYSTEMS AS
 SBERG01.TIF

△ = ICEBERG



160°



WILKESLAND ICE ANALYSIS (2 OF 4)
NATIONAL ICE CENTER

ANALYSIS WEEK: 10 NOV 97

DATA SOURCES	LINE TYPES	DATE
RADARSAT	————	
RECONNAISSANCE	————	
DMSP OLS	————	12 NOV
AVHRR	————	
ESTIMATED	-----	13 NOV
SSM/I	12 NOV

ICEBERG INFORMATION CAN BE FOUND ON
OUR WEBSITE AND OUR AUTOPOLLING
SYSTEM AS SBERG01.TIF

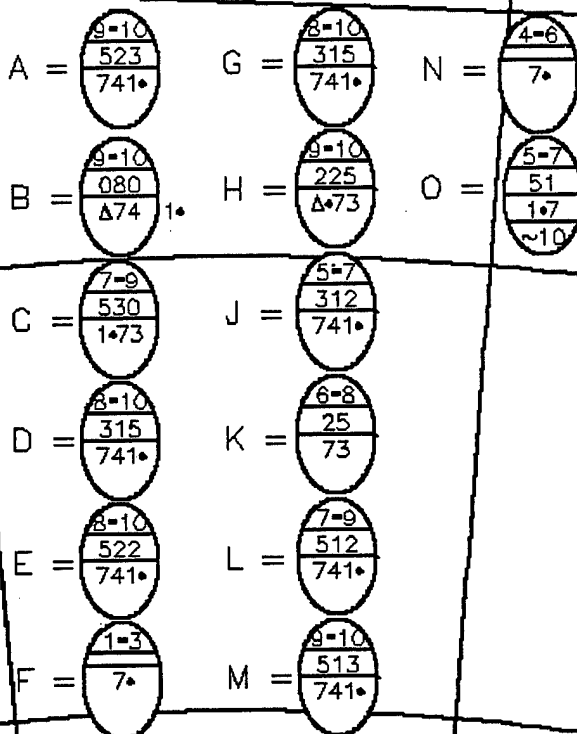
120°

130°

-50°

-55°

-60°



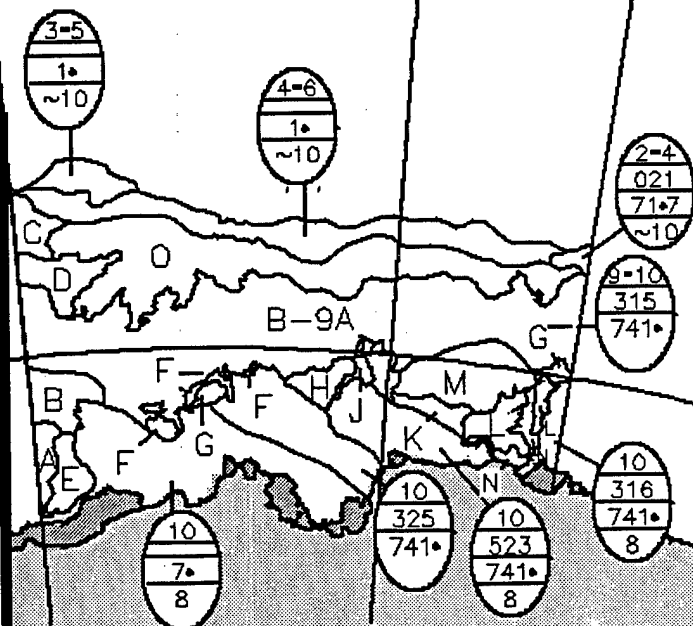
WILKESLAND ICE ANALYSIS (3 OF 4) NATIONAL ICE CENTER

ANALYSIS WEEK: 10 NOV 97

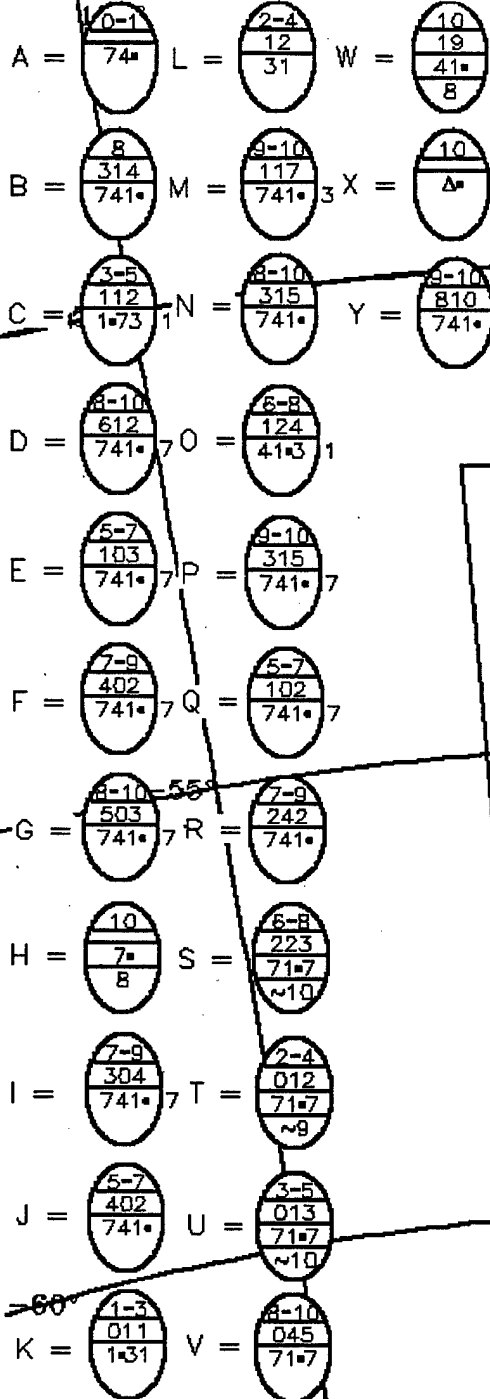
DATA SOURCES	LINE TYPES	DATE
RADARSAT	_____	
RECONNAISSANCE	_____	
DMSP OLS	_____	12 NOV 97
AVHRR	_____	13 NOV 97
ESTIMATED	-----	
SSM/I	-----	12 NOV 97

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND OUR AUTOPOLLING SYSTEMS AS
SBERG01.TIF

△ = ICEBERG



140°



SEA ICE FREE

SEA ICE FREE

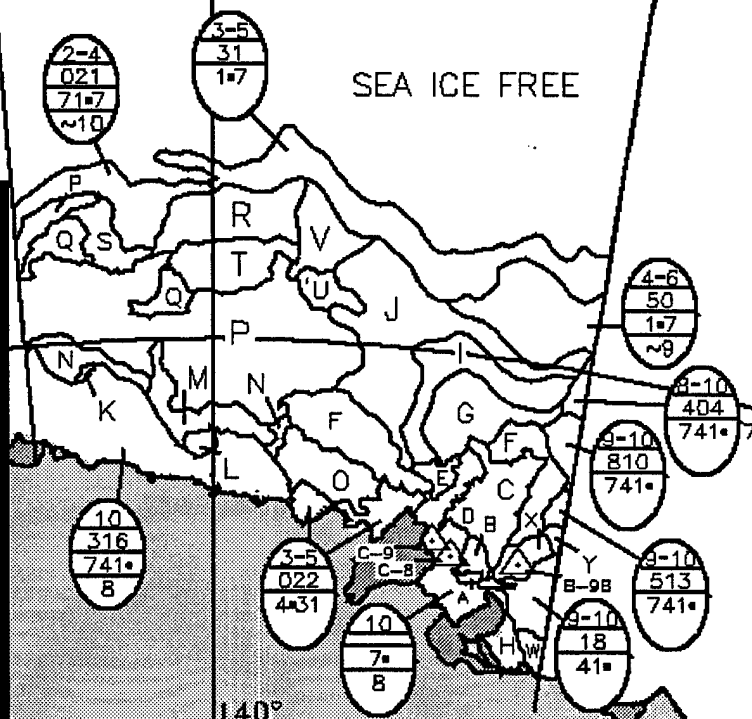
WILKESLAND ICE ANALYSIS (4 OF 4) NATIONAL ICE CENTER

ANALYSIS WEEK: 10 NOV 97

DATA SOURCES	LINE TYPES	DATE
RADARSAT	_____	
RECONNAISSANCE	_____	
DMSP OLS	_____	12 NOV 97
AVHRR	_____	
ESTIMATED	-----	13 NOV 97
SSM/I	-----	11 NOV 97

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND OUR AUTOPOLLING SYSTEMS AS SBERG01.TIF

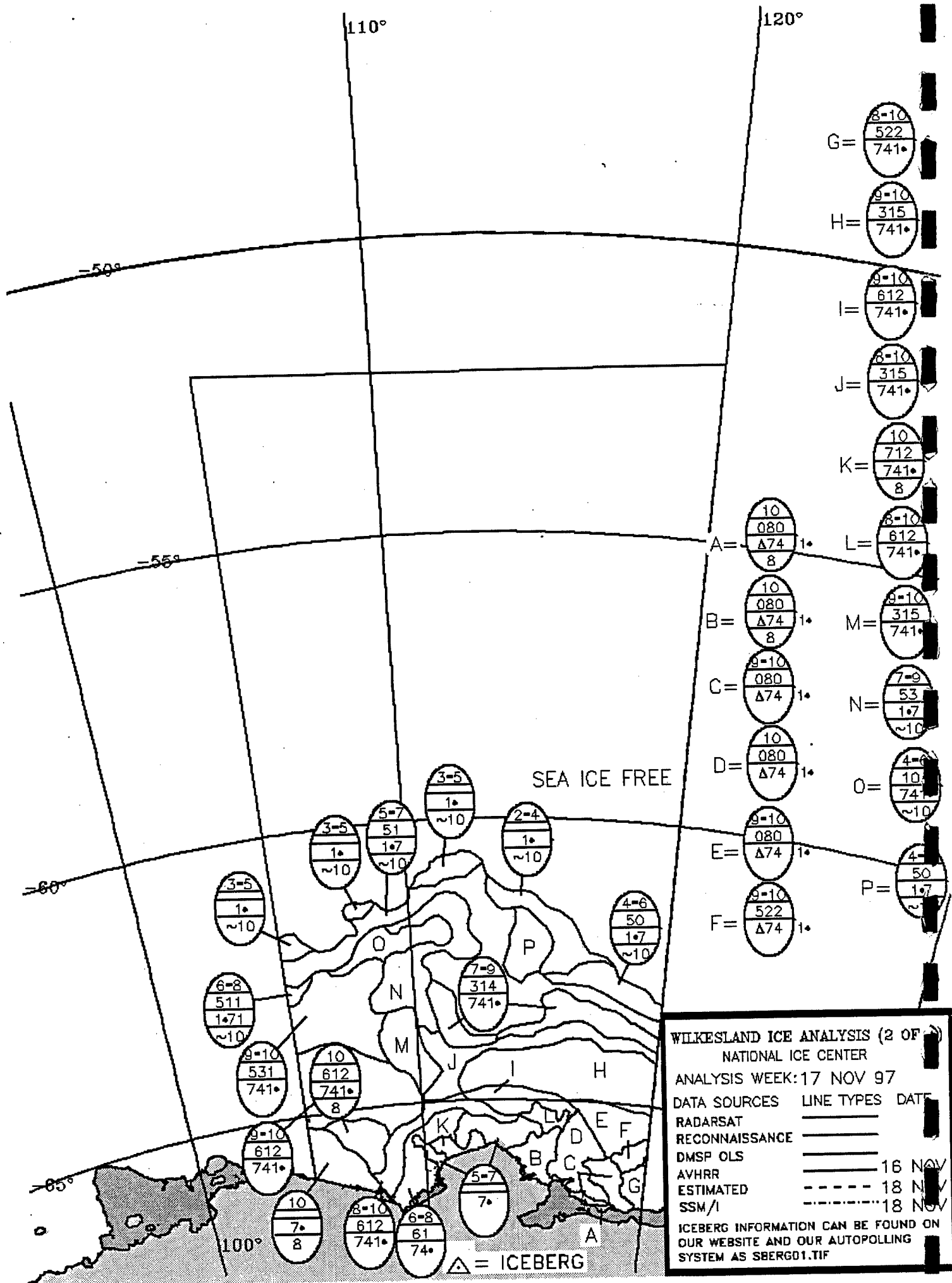
Δ = ICEBERG



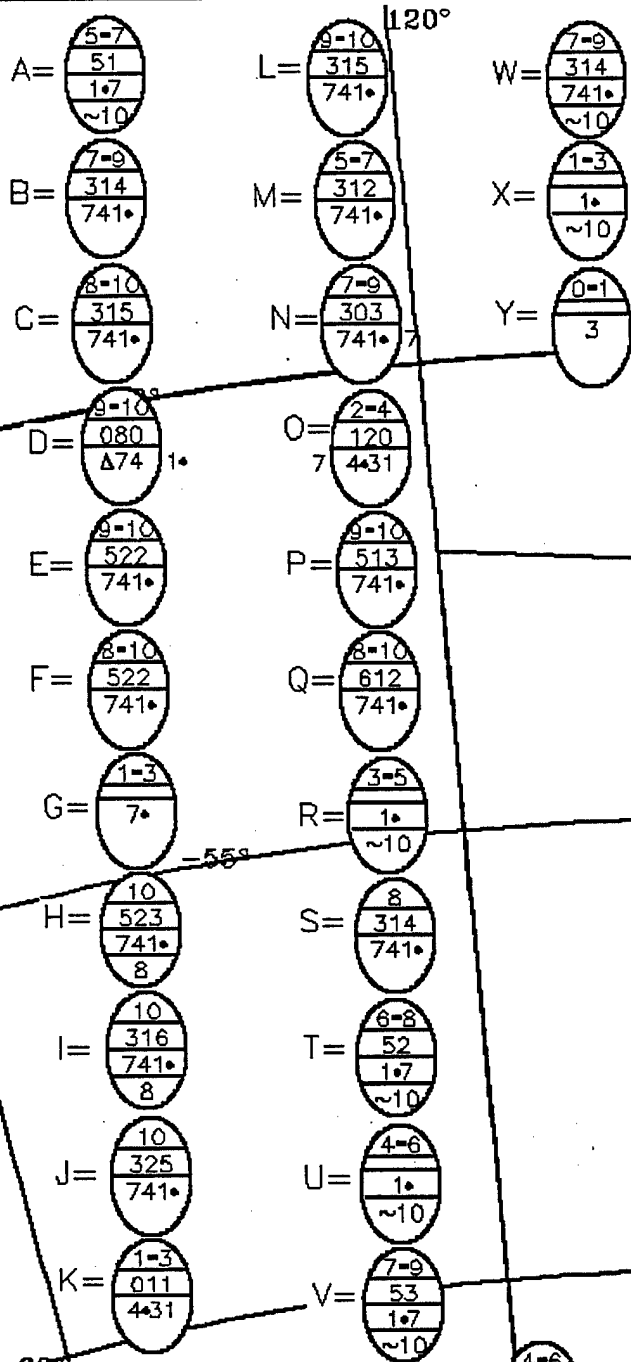
150°

160°

140°



WILKESLAND ICE ANALYSIS (2 OF 2)
 NATIONAL ICE CENTER
 ANALYSIS WEEK: 17 NOV 97
 DATA SOURCES LINE TYPES DATE
 RADARSAT _____
 RECONNAISSANCE _____
 DMSP OLS _____
 AVHRR _____ 16 NOV
 ESTIMATED _____ 18 NOV
 SSM/I _____ 18 NOV
 ICEBERG INFORMATION CAN BE FOUND ON
 OUR WEBSITE AND OUR AUTOPOLLING
 SYSTEM AS SBERG01.TIF



WILKESLAND ICE ANALYSIS (3 OF 4)

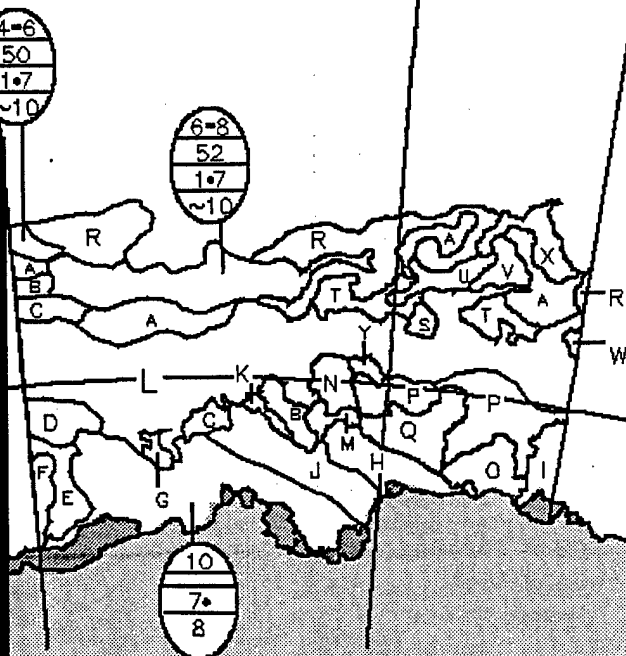
NATIONAL ICE CENTER

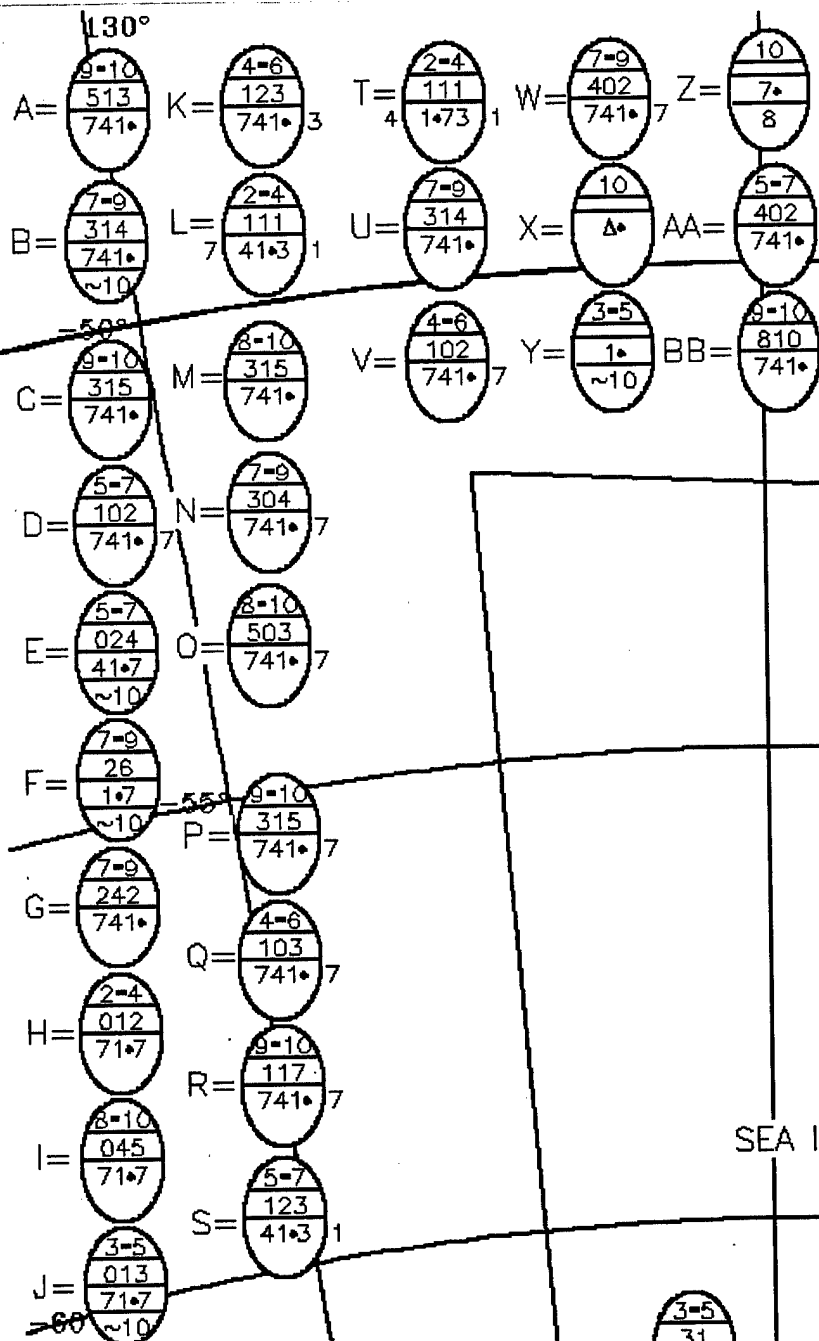
ANALYSIS WEEK: 17 NOV 97

DATA SOURCES	LINE TYPES	DATE
RADARSAT	_____	
RECONNAISSANCE	_____	
DMSP OLS	_____	16-17 NOV
AVHRR	_____	
ESTIMATED	-----	18 NOV
SSM/I	-----	18 NOV

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND OUR AUTOPOLLING SYSTEMS AS SBERG01.TIF

△ = ICEBERG





SEA ICE FREE

WILKESLAND ICE ANALYSIS (4 OF 4)

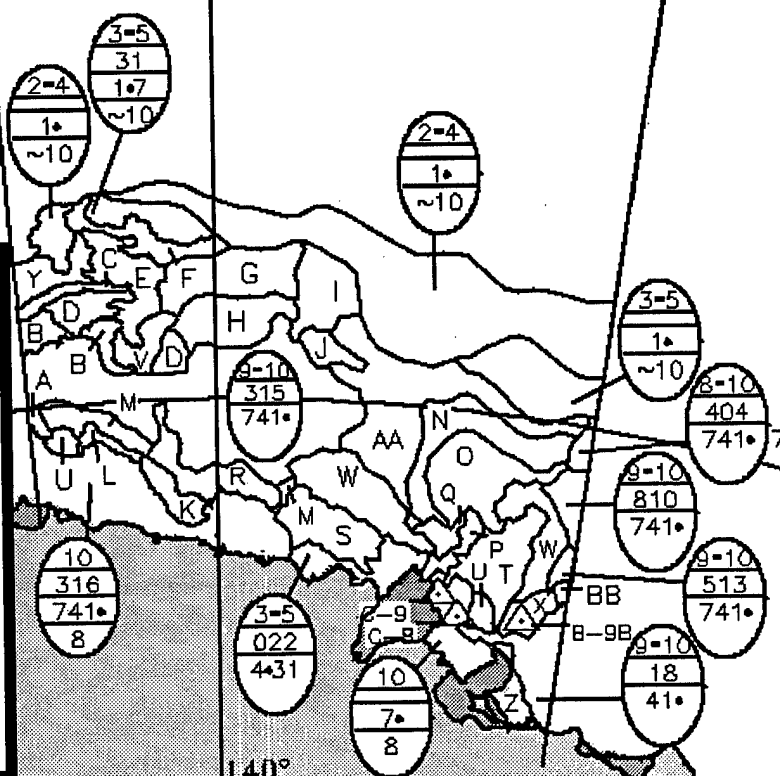
NATIONAL ICE CENTER

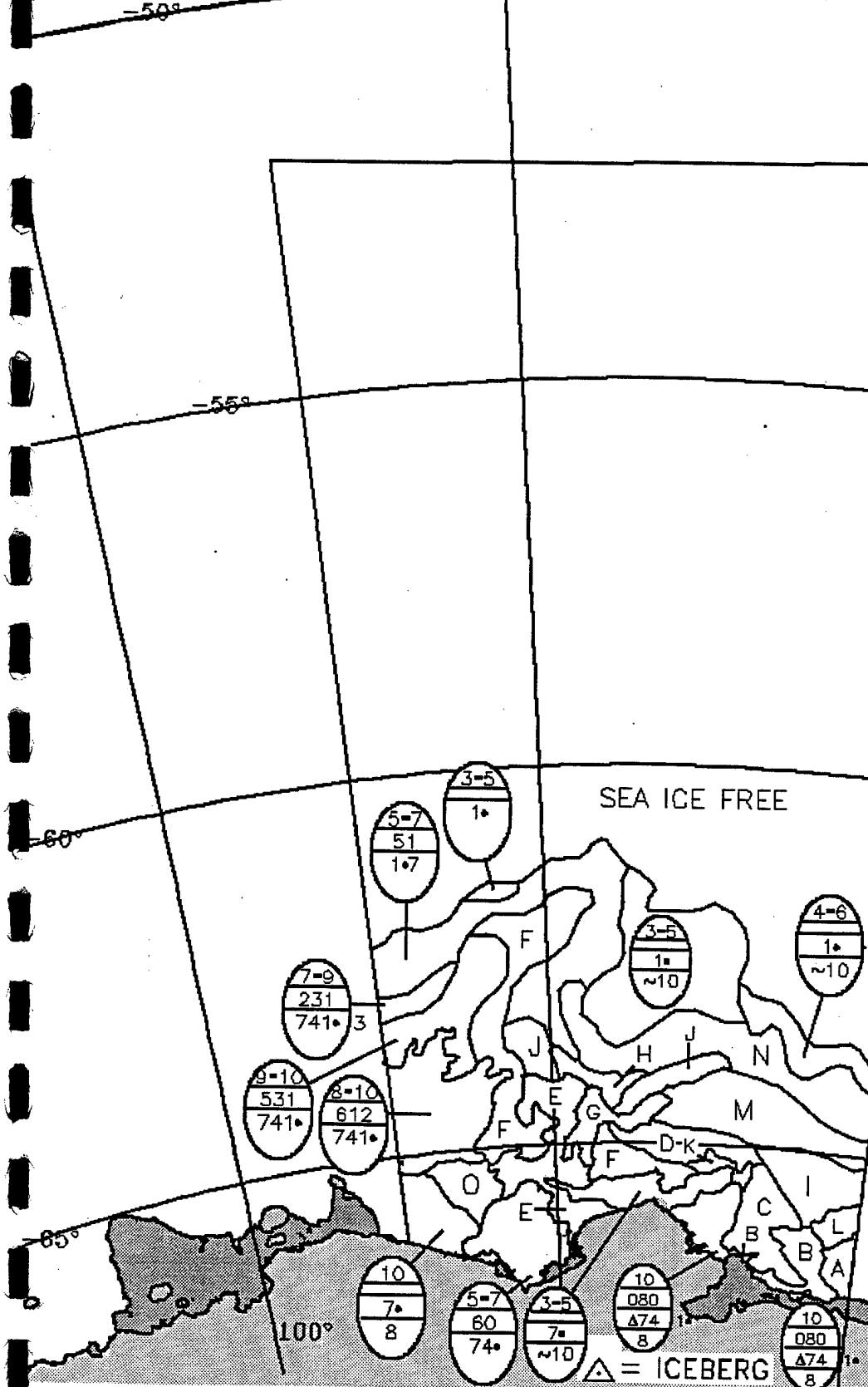
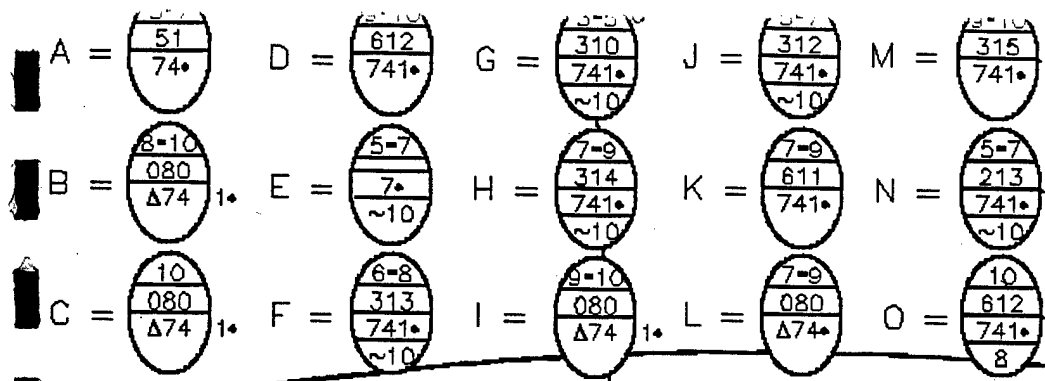
ANALYSIS WEEK: 17 NOV 97

DATA SOURCES	LINE TYPES	DATE
RADARSAT	_____	
RECONNAISSANCE	_____	
DMSP OLS	_____	16-17 NOV
AVHRR	-----	18 NOV
ESTIMATED	-----	18 NOV
SSM/I	-----	18 NOV

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND OUR AUTOPOLLING SYSTEMS AS SBERG01.TIF

Δ = ICEBERG





WILKESLAND ICE ANALYSIS (2 OF 4)
 NATIONAL ICE CENTER
 ANALYSIS WEEK: 24 NOV 97
 DATA SOURCES LINE TYPES DATE
 RADARSAT —————
 RECONNAISSANCE —————
 DMSP OLS —————
 AVHRR ————— 23 NOV
 ESTIMATED - - - - - 23 NOV
 SSM/I ········ 23 NOV
 ICEBERG INFORMATION CAN BE FOUND ON
 OUR WEBSITE AND OUR AUTOPOLLING
 SYSTEM AS SBERG01.TIF

1120°

1130°

-50°

A = $\frac{5-7}{51}$
74•

H = $\frac{7-9}{314}$
741•

B = $\frac{7-9}{080}$
Δ74•

I = $\frac{1-3}{7•3}$

C = $\frac{9-10}{080}$
Δ74•

J = $\frac{0-1}{4•3}$

D = $\frac{10}{325}$
741•
8

K = $\frac{5-7}{303}$
741•

E = $\frac{8-10}{612}$
741•

L = $\frac{6-8}{313}$
741•

F = $\frac{8-10}{513}$
741•

M = $\frac{0-1}{3}$

G = $\frac{4-6}{311}$
741•

N = $\frac{5-7}{213}$
741•
~10

WILKESLAND ICE ANALYSIS (3 OF 4)

NATIONAL ICE CENTER

ANALYSIS WEEK: 24 NOV 97

DATA SOURCES LINE TYPES DATE

RADARSAT _____

RECONNAISSANCE _____

DMSP OLS _____

AVHRR _____ 23 NOV 97

ESTIMATED ----- 23 NOV 97

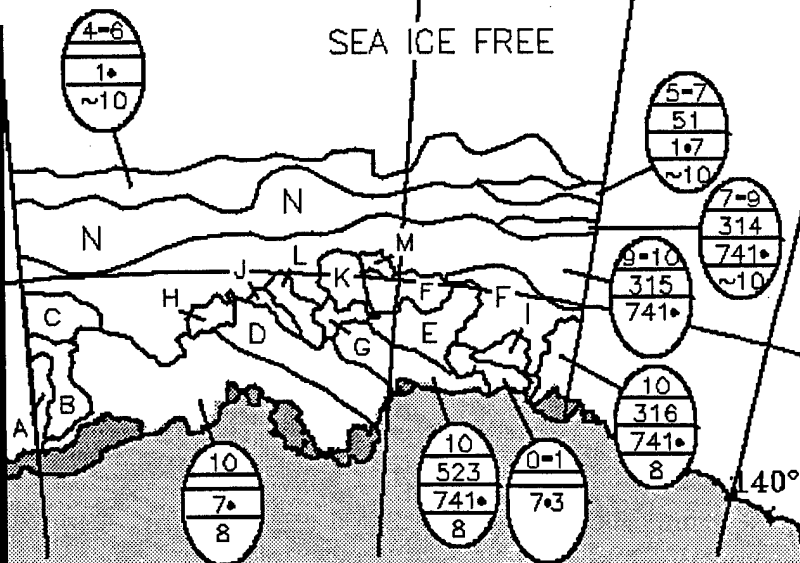
SSM/I ----- 23 NOV 97

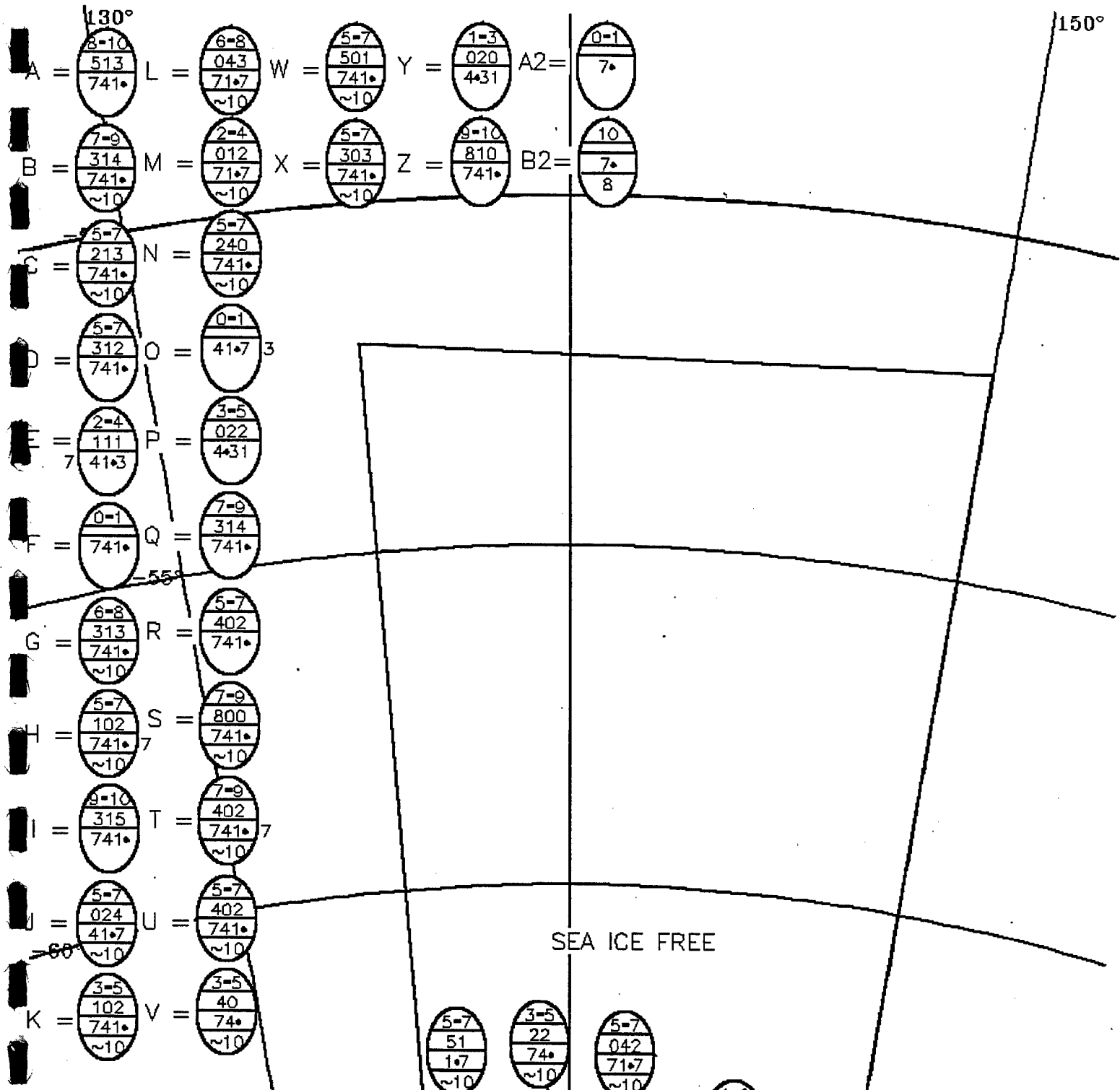
ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND OUR AUTOPOLLING SYSTEMS AS
SBERG01.TIF

Δ = ICEBERG

SEA ICE FREE

SEA ICE FREE



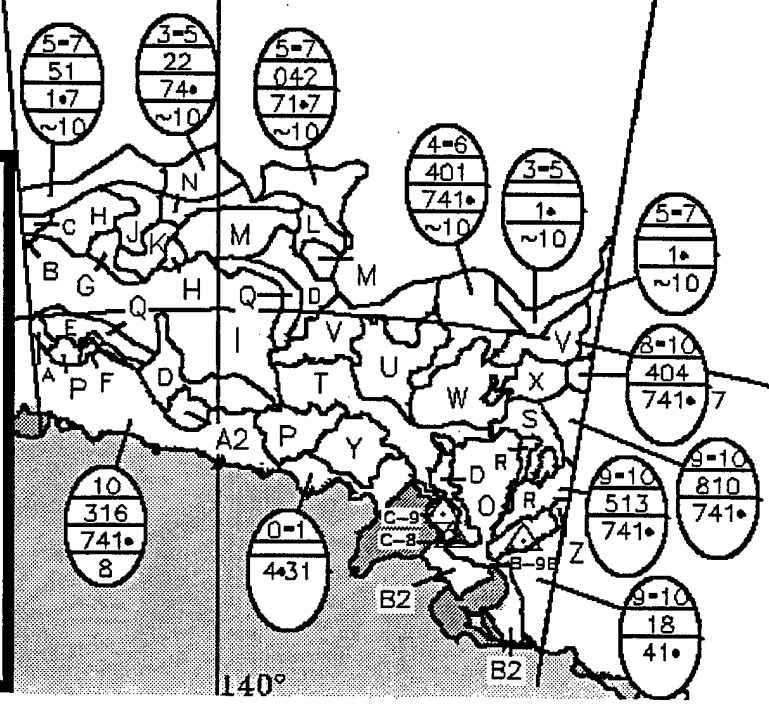


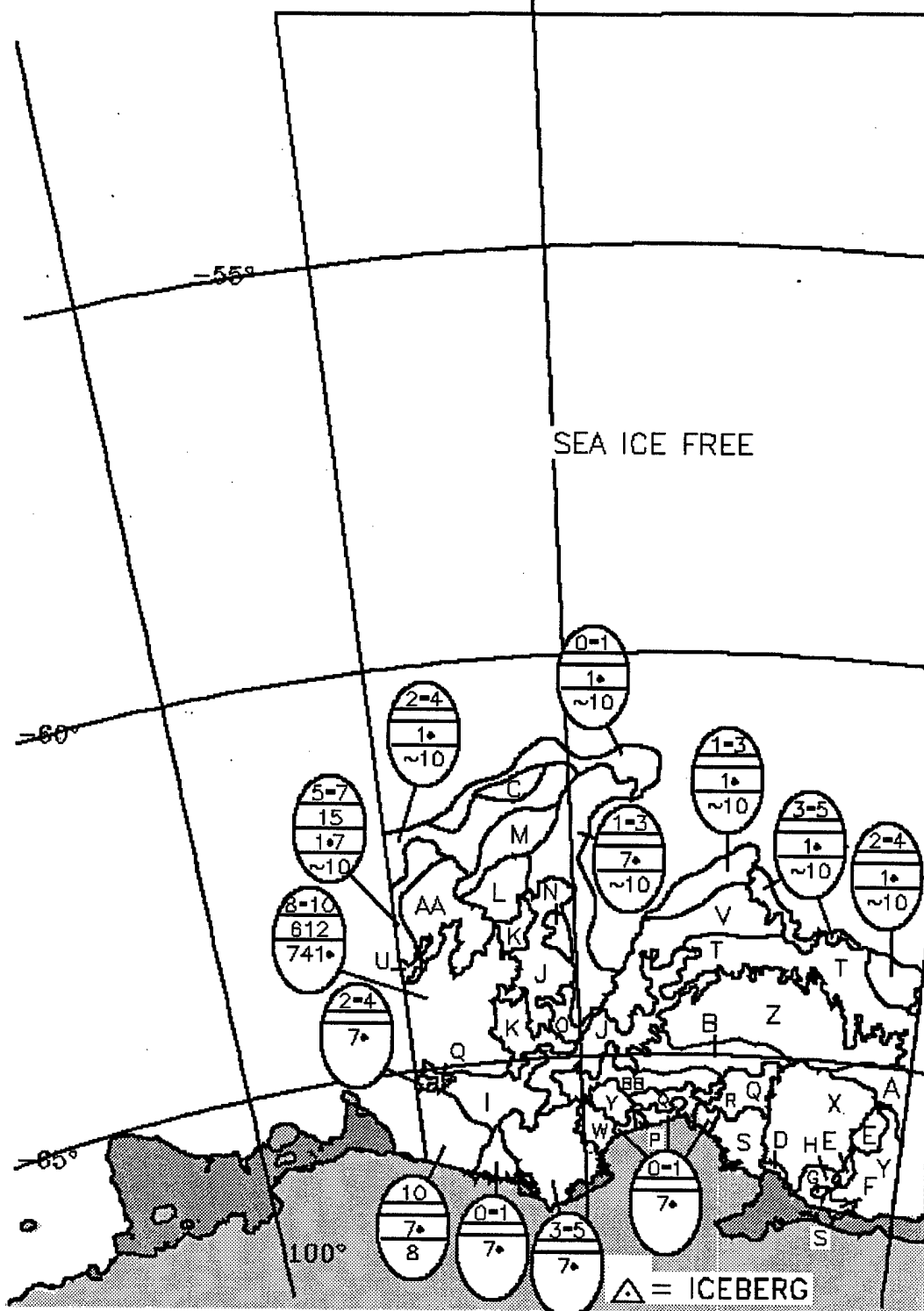
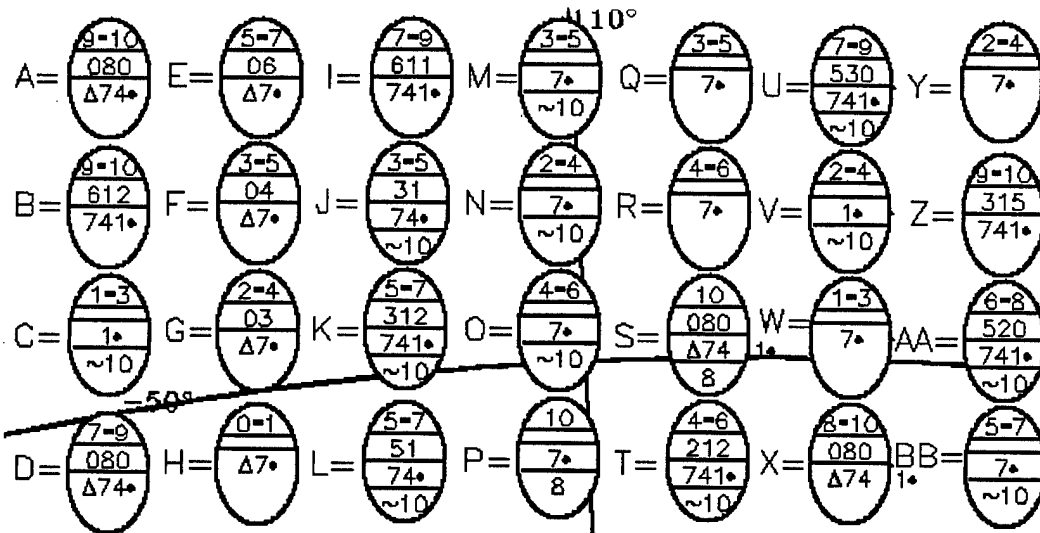
WILKESLAND ICE ANALYSIS (4 OF 4)
 NATIONAL ICE CENTER
 ANALYSIS WEEK: 24 NOV 97

DATA SOURCES	LINE TYPES	DATE
RADARSAT	=====	
RECONNAISSANCE	=====	
DMSP OLS	=====	
AVHRR	-----	23 NOV
ESTIMATED	-----	23 NOV
SSM/I	-----	23 NOV

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND OUR AUTOPOLLING SYSTEMS AS SBERG01.TIF

Δ = ICEBERG





WILKESLAND ICE ANALYSIS (2 OF 4)
NATIONAL ICE CENTER
ANALYSIS WEEK: 01 DEC 97
DATA SOURCES LINE TYPES DATE
RADARSAT _____
RECONNAISSANCE _____
DMSP OLS _____ 01 DEC
AVHRR _____ -2 DEC
ESTIMATED ----- 03 DEC
SSM/I 02 DEC

ICEBERG INFORMATION CAN BE FOUND ON
OUR WEBSITE AND OUR AUTOPOLLING
SYSTEM AS SBERG01.TIF

A = $\frac{9-10}{315}$ $\frac{0-1}{403}$
 B = $\frac{0-1}{70}$ M = $\frac{3-5}{31}$ $\frac{3-5}{740}$
 C = $\frac{1-3}{70}$ N = $\frac{3-5}{211}$ $\frac{3-5}{7410}$ ~ 10
 D = $\frac{3-5}{70}$ O = $\frac{5-7}{213}$ $\frac{5-7}{7410}$ ~ 10
 E = $\frac{5-7}{51}$ P = $\frac{0-1}{740}$
 F = $\frac{2-4}{70}$ Q = $\frac{6-8}{313}$ $\frac{6-8}{7410}$
 G = $\frac{7-9}{314}$ R = $\frac{9-10}{080}$ $\frac{9-10}{\Delta 740}$
 H = $\frac{4-6}{70}$ S = $\frac{2-4}{10}$ $\frac{2-4}{\sim 10}$
 I = $\frac{5-7}{303}$ $\frac{5-7}{7410}$
 J = $\frac{3-5}{301}$ $\frac{3-5}{7410}$
 K = $\frac{4-6}{311}$ $\frac{4-6}{7410}$

120°

130°

SEA ICE FREE

WILKESLAND ICE ANALYSIS (3 OF 4)

NATIONAL ICE CENTER

ANALYSIS WEEK: 01 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT _____

RECONNAISSANCE _____

DMSP OLS _____

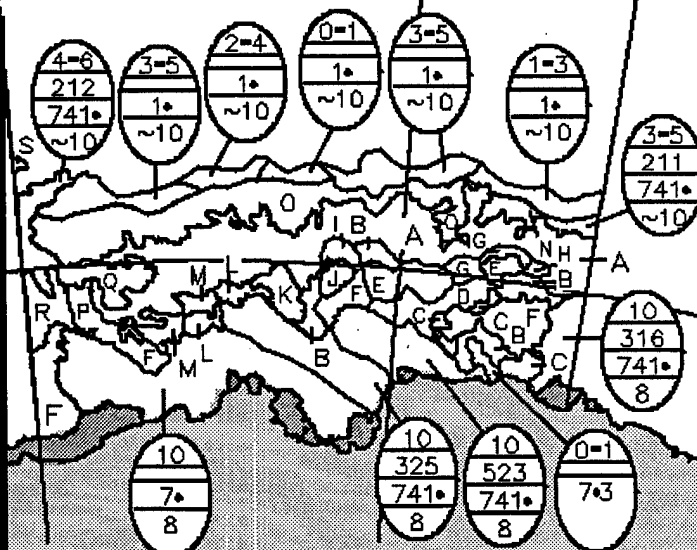
AVHRR _____ 1-2 DEC

ESTIMATED ----- 03 DEC

SSM/I ----- 02 DEC

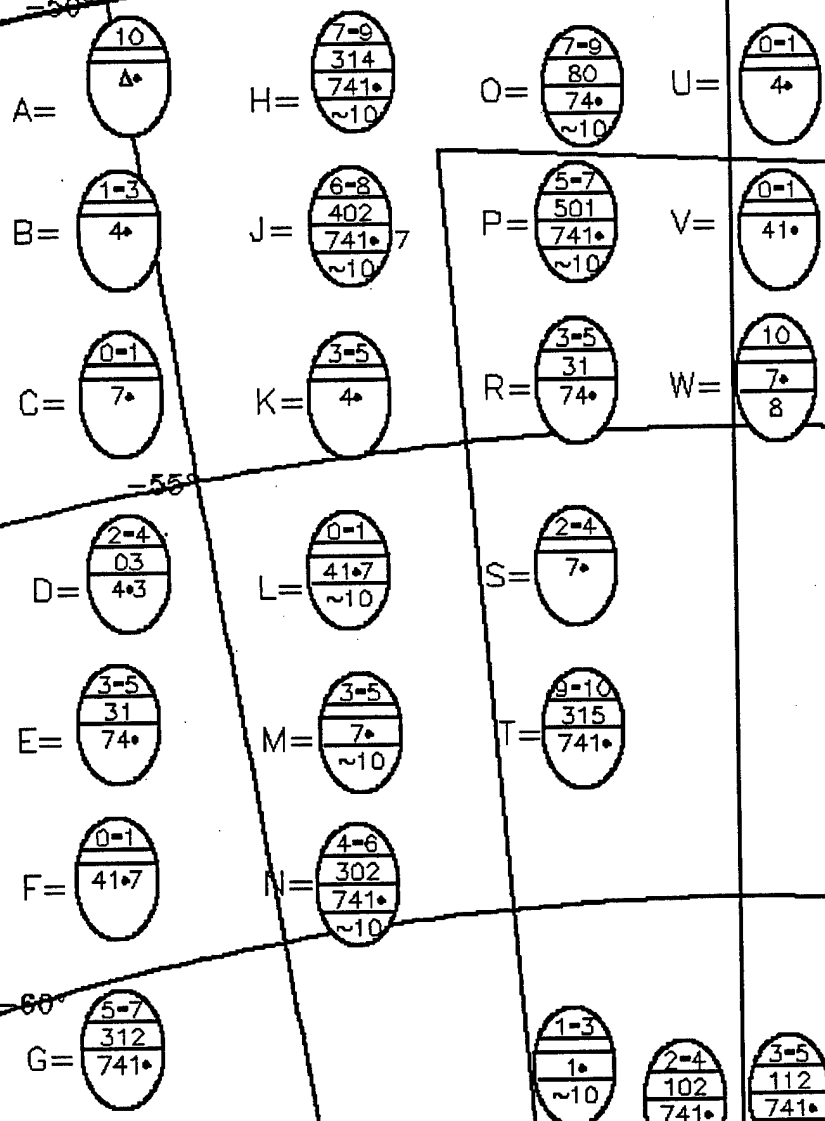
ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND OUR AUTOPOLLING SYSTEMS AS
SBERG01.TIF

Δ = ICEBERG

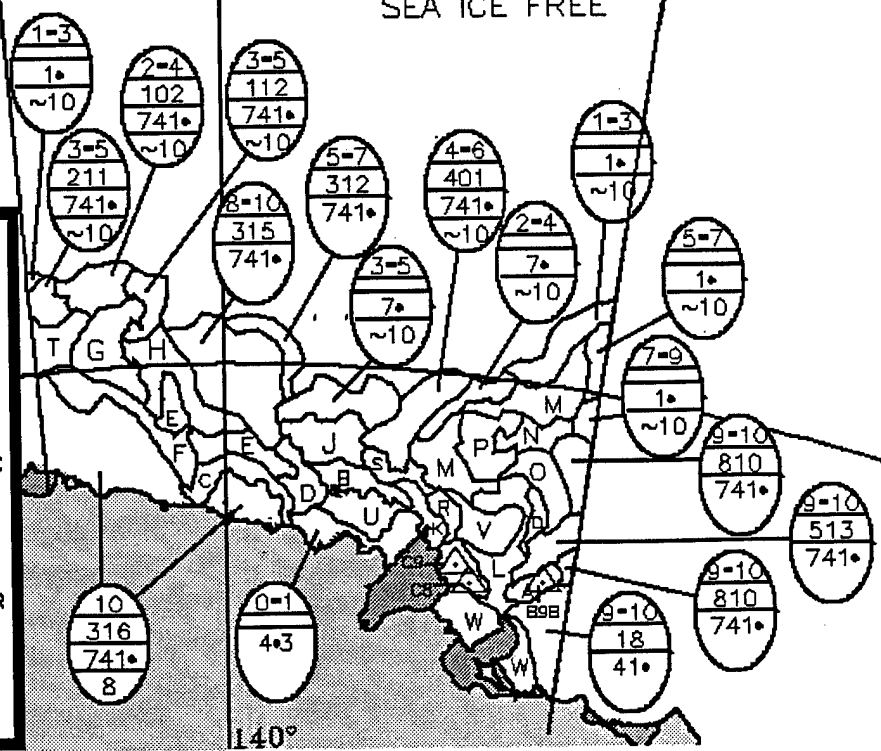


140°

130



SEA ICE FREE



01 DEC

WILKESLAND ICE ANALYSIS (4 OF 4)
NATIONAL ICE CENTER

ANALYSIS WEEK: 01 DEC 97

DATA SOURCES	LINE TYPES	DATE
RADARSAT	————	
RECONNAISSANCE	————	01 DEC
DMSP OLS	————	01/02 DEC
AVHRR	————	03 DEC
ESTIMATED	-----	02 DEC
SSM/I	-----	

01 DEC

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND OUR AUTOPOLLING SYSTEMS AS SBERG01.TIF

Δ = ICEBERG

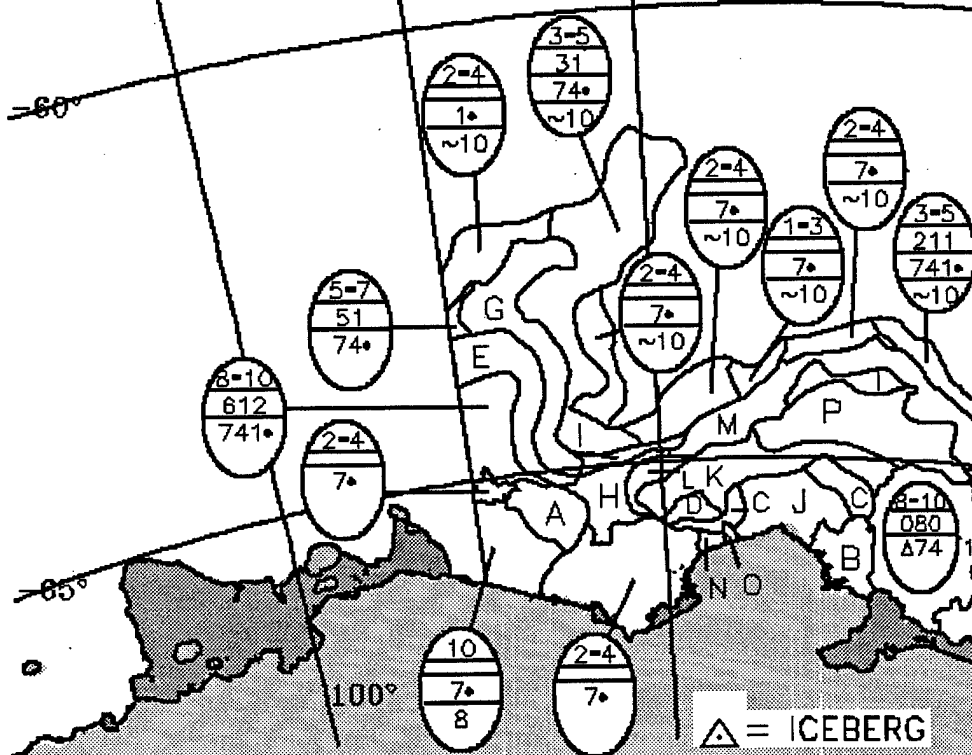
160°

110°

120°

A = $\frac{7-9}{611}$
741•G = $\frac{6-8}{511}$
741•M = $\frac{5-7}{312}$
741•B = $\frac{10}{080}$
 $\Delta 74$
8H = $\frac{7-9}{611}$
741•N = $\frac{0-1}{7}$ C = $\frac{3-5}{7}$ I = $\frac{6-8}{313}$
741•O = $\frac{10}{7}$
8D = $\frac{2-4}{7}$ J = $\frac{4-6}{7}$ P = $\frac{9-10}{315}$
741•E = $\frac{7-9}{53}$
74•K = $\frac{8-10}{612}$
741•F = $\frac{6-8}{07}$
 $\Delta 7$ L = $\frac{4-6}{311}$
741•

SEA ICE FREE



WILKESLAND ICE ANALYSIS (2 OF 4) NATIONAL ICE CENTER

ANALYSIS WEEK: 8-12 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT _____

RECONNAISSANCE _____

DMSP OLS _____

AVHRR _____

ESTIMATED 09 DEC

SSM/I 10 DEC

ICEBERG INFORMATION CAN BE FOUND ON
OUR WEBSITE AND OUR AUTOPOLLING
SYSTEM AS SBERG01.TIF

△ = ICEBERG

120°

130°

A = $\frac{3-5}{301}$ 741° B = $\frac{1-3}{7}$ 7° C = $\frac{3-5}{300}$ 744° D = $\frac{4-6}{302}$ 741° E = $\frac{2-4}{7}$ 7° F = $\frac{3-5}{7}$ 7°

-50°

-55°

SEA ICE FREE

-60°

WILKESLAND ICE ANALYSIS (3 OF 4) NATIONAL ICE CENTER

ANALYSIS WEEK: 08-12 DEC 97
DATA SOURCES: LINE TYPES DATE
RADARSAT: _____
RECONNAISSANCE: _____
DMSP OLS: _____
AVHRR: _____
ESTIMATED: ----- 10 DEC
SSM/I: ----- 09 DEC

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND OUR AUTOPOLLING SYSTEMS AS
SBERG01.TIF

△ = ICEBERG

$\frac{6-8}{07}$
Δ7°

$\frac{3-5}{22}$
71°

$\frac{4-6}{212}$
741°

$\frac{1-3}{1}$
~10°

$\frac{6-8}{313}$
741°

$\frac{8-10}{315}$
741°

$\frac{10}{316}$
741°
8°

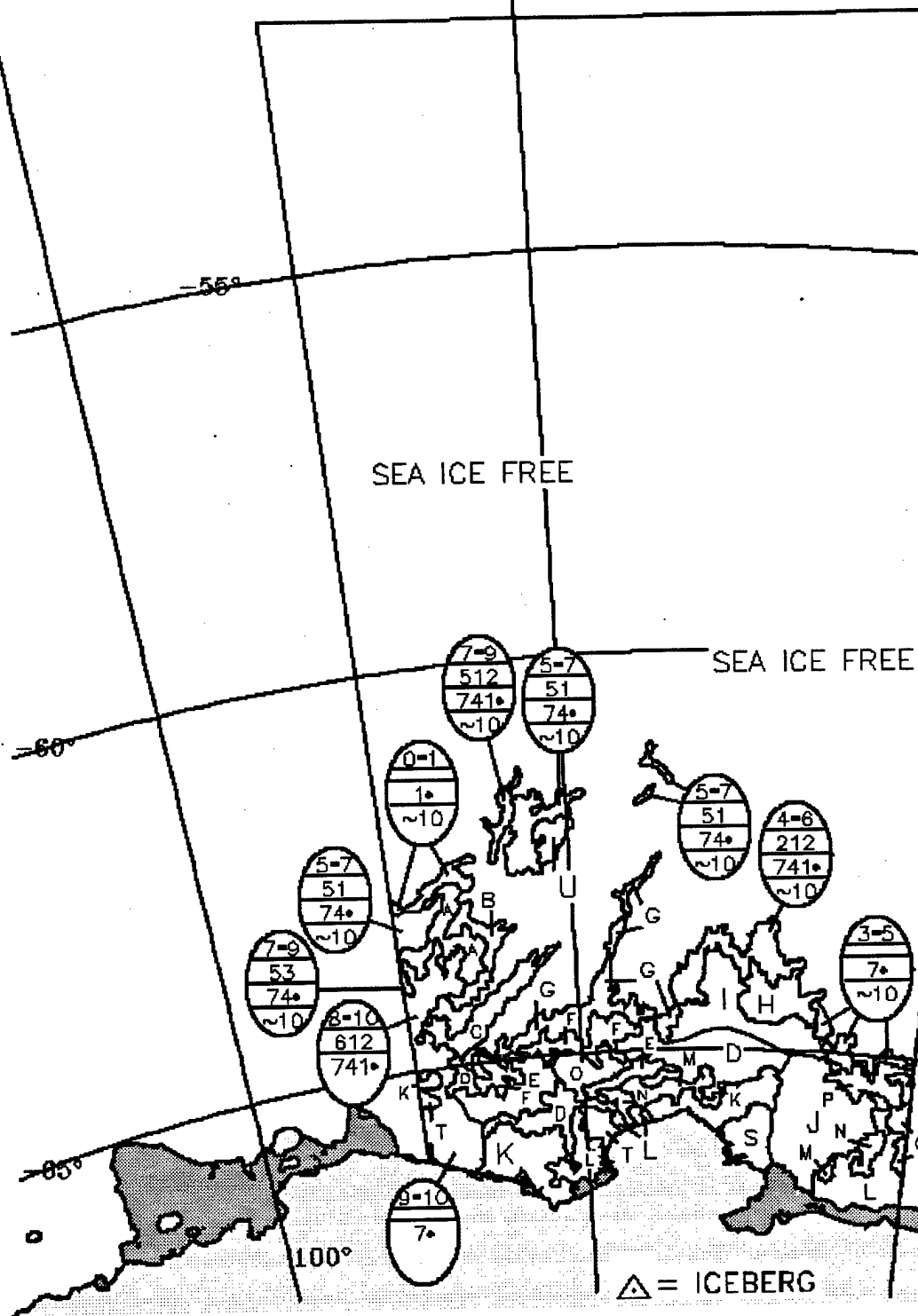
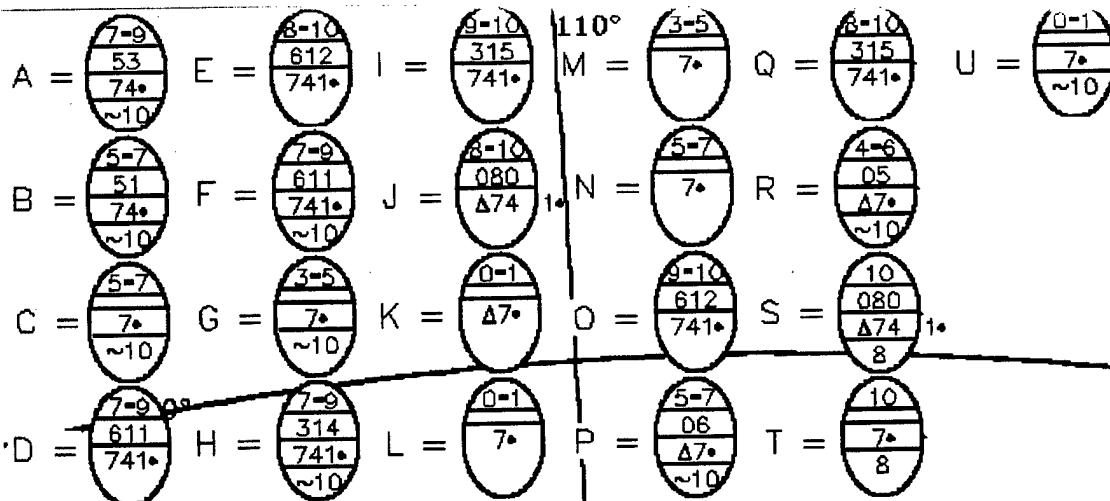
$\frac{10}{7}$
8°

$\frac{10}{325}$
741°
8°

$\frac{10}{523}$
741°
8°

$\frac{1-3}{7}$
7°

140°



WILKESLAND ICE ANALYSIS (2 OF 4)
 NATIONAL ICE CENTER
 ANALYSIS WEEK: 15-19 DEC 97
 DATA SOURCES LINE TYPES DATE
 RADARSAT _____
 RECONNAISSANCE _____
 DMSP OLS _____
 AVHRR _____ 17DEC
 ESTIMATED - - - - - 18DEC
 SSM/I - . - . - . 17DEC
 ICEBERG INFORMATION CAN BE FOUND ON
 OUR WEBSITE AND OUR AUTOPOLLING
 SYSTEM AS SBERG01.TIF

120°

130°

-50°

A = $\frac{0-1}{7\bullet}$ B = $\frac{4-6}{05}$
 $\frac{\Delta 7\bullet}{\sim 10}$ C = $\frac{2-4}{7\bullet}$ D = $\frac{5-7}{312}$
 $\frac{741\bullet}{\sim 10}$ E = $\frac{2-4}{30}$
 $\frac{74\bullet}{74\bullet}$ F = $\frac{1-3}{7\bullet}$

-55°

-60°

WILKESLAND ICE ANALYSIS (3 OF 4)

NATIONAL ICE CENTER

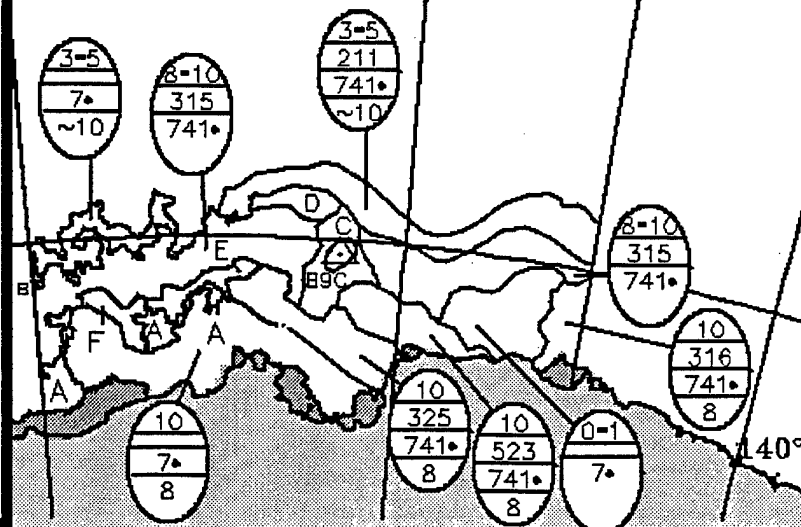
ANALYSIS WEEK: 15-19 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT RECONNAISSANCE DMSP OLS AVHRR ESTIMATED 17 DECSSM/I 18 DECSSM/I 17 DEC

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND OUR AUTOPOLLING SYSTEMS AS
SBERG01.TIF

△ = ICEBERG



130°

150°

-50°

-55°

-60°

A = $\frac{8-10}{315}$
741°E = $\frac{3-5}{7}$
7°B = $\frac{2-4}{111}$
741°F = $\frac{5-7}{7}$
7°C = $\frac{10}{7}$
8D = $\frac{1-3}{02}$
41°

WILKESLAND ICE ANALYSIS (4 OF 4)

NATIONAL ICE CENTER

ANALYSIS WEEK: 15-19 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT _____

RECONNAISSANCE _____

DMSP OLS _____

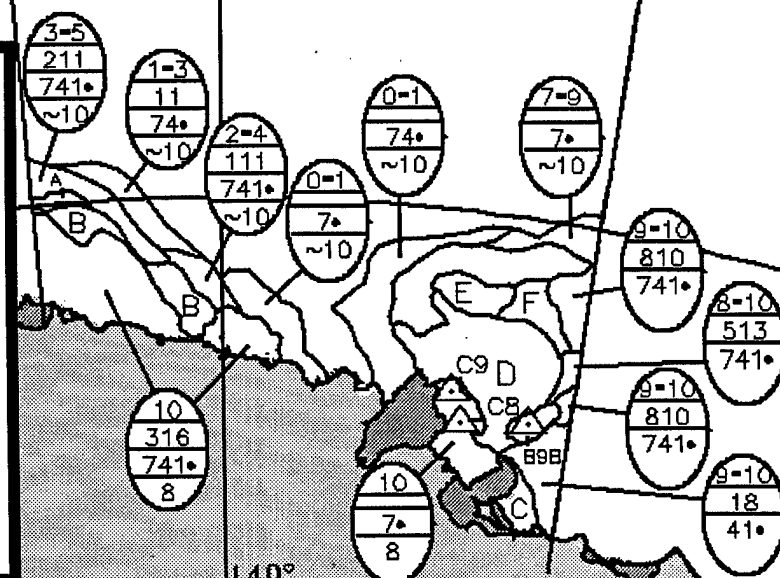
AVHRR _____

ESTIMATED ----- 18 DEC

SSM/I ----- 17 DEC

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND OUR AUTOPOLLING SYSTEMS AS
SBERG01.TIF

△ = ICEBERG



140°

160°

A = $\frac{4-6}{41}$
 B = $\frac{3-5}{7}$
 C = $\frac{7-9}{224}$
 D = $\frac{0-1}{\Delta 7}$
 E = $\frac{2-4}{12}$
 F = $\frac{5-7}{51}$
 G = $\frac{8-10}{612}$
 H = $\frac{9-10}{612}$
 I = $\frac{0-1}{7}$
 J = $\frac{10}{7}$
 K = $\frac{10}{7}$
 L = $\frac{0-1}{7}$
 M = $\frac{10}{\Delta}$

90°

100°

-55°

-60°

SEA ICE FREE

IF=ICE FREE

WILKESLAND ICE ANALYSIS (1 OF 4)

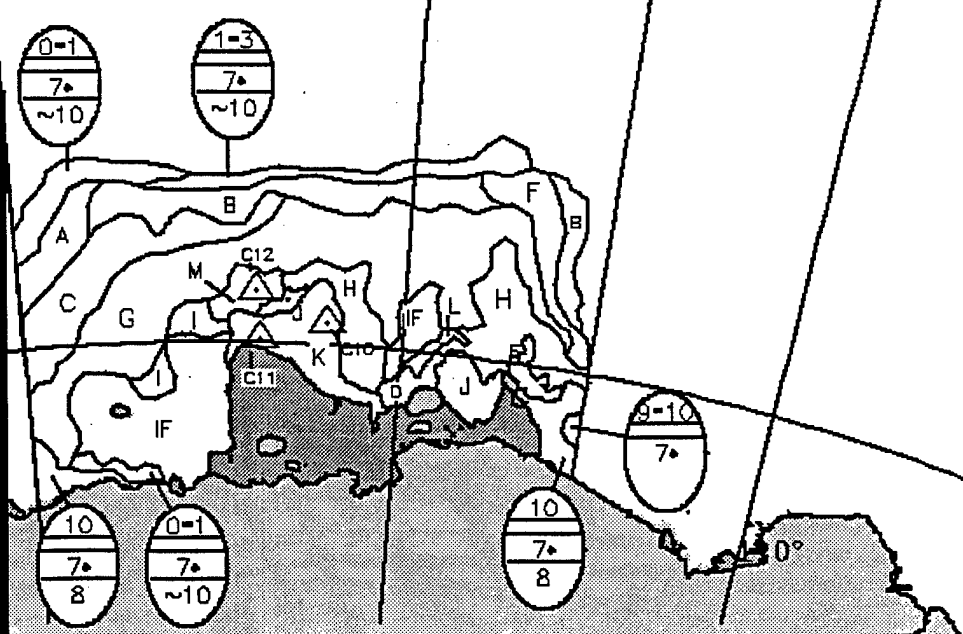
NATIONAL ICE CENTER

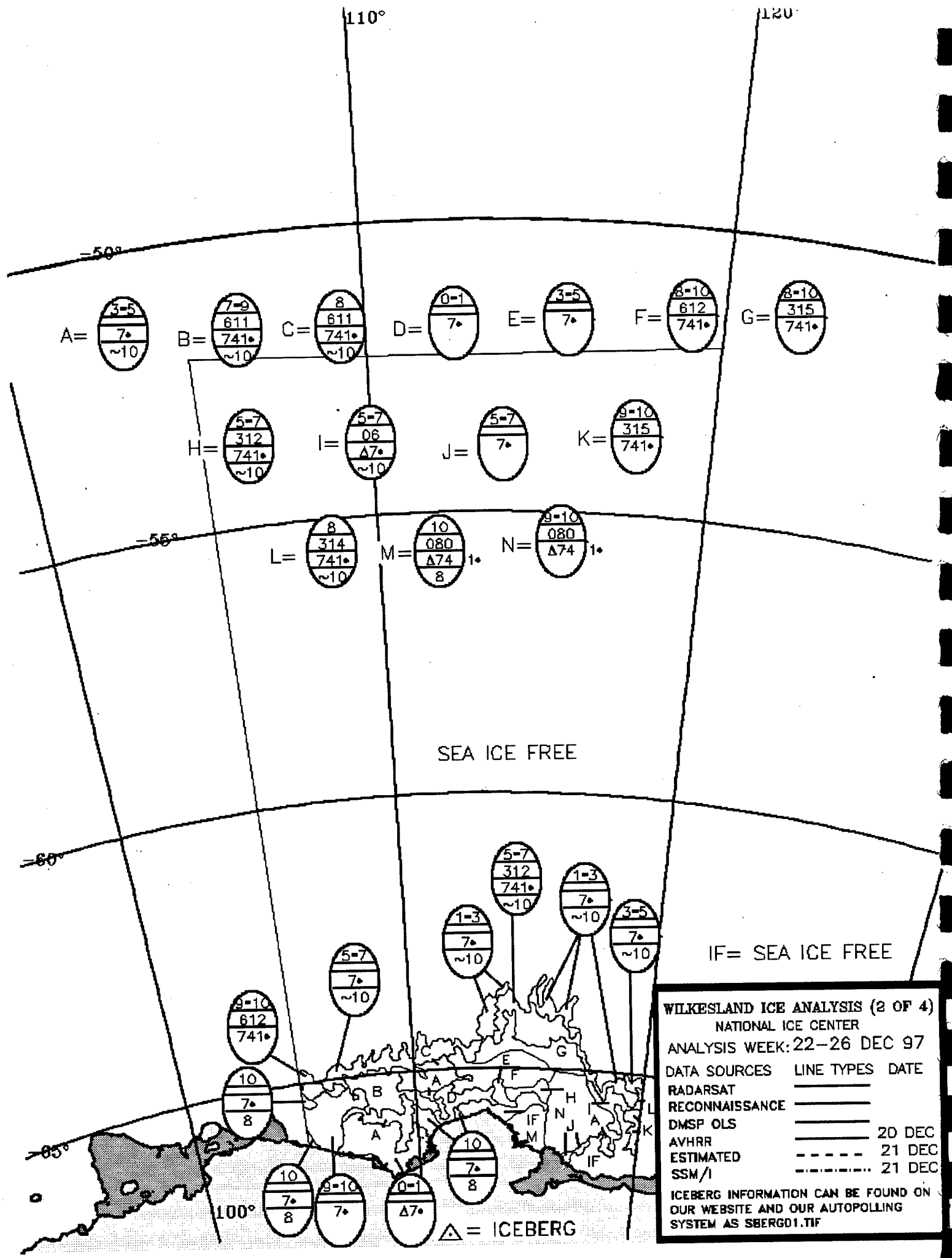
ANALYSIS WEEK: 22-26 DEC 97

DATA SOURCES	LINE TYPES	DATE
RADARSAT	=====	
RECONNAISSANCE	=====	
DMSP OLS	=====	
AVHRR	=====	20 DEC
ESTIMATED	-----	21 DEC
SSM/I	-----	21 DEC

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND OUR AUTOPOLLING SYSTEMS AS SBERG01.TIF

Δ = ICEBERG





WILKESLAND ICE ANALYSIS (2 OF 4)
 NATIONAL ICE CENTER
 ANALYSIS WEEK: 22-26 DEC 97
 DATA SOURCES LINE TYPES DATE
 RADARSAT _____
 RECONNAISSANCE _____
 DMSP OLS _____ 20 DEC
 AVHRR _____ 21 DEC
 ESTIMATED ----- 21 DEC
 SSM/I -----
 ICEBERG INFORMATION CAN BE FOUND ON
 OUR WEBSITE AND OUR AUTOPOLLING
 SYSTEM AS SBORG01.TIF

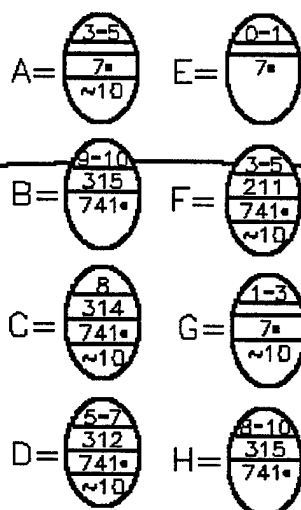
120°

130°

-50°

-55°

IF = SEA ICE FREE



WILKESLAND ICE ANALYSIS (3 OF 4)

NATIONAL ICE CENTER

ANALYSIS WEEK: 22-26 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

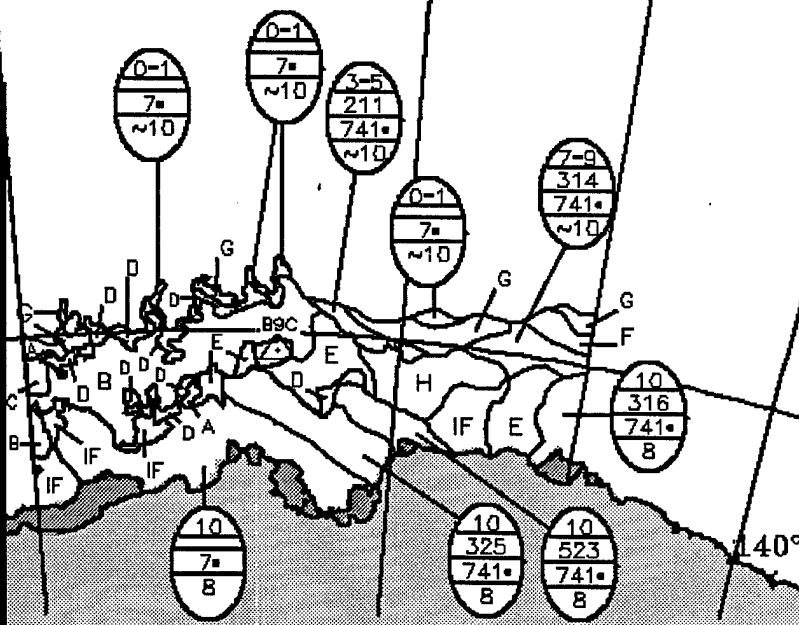
AVHRR 20 DEC 97

ESTIMATED 21 DEC 97

SSM/I 21 DEC 97

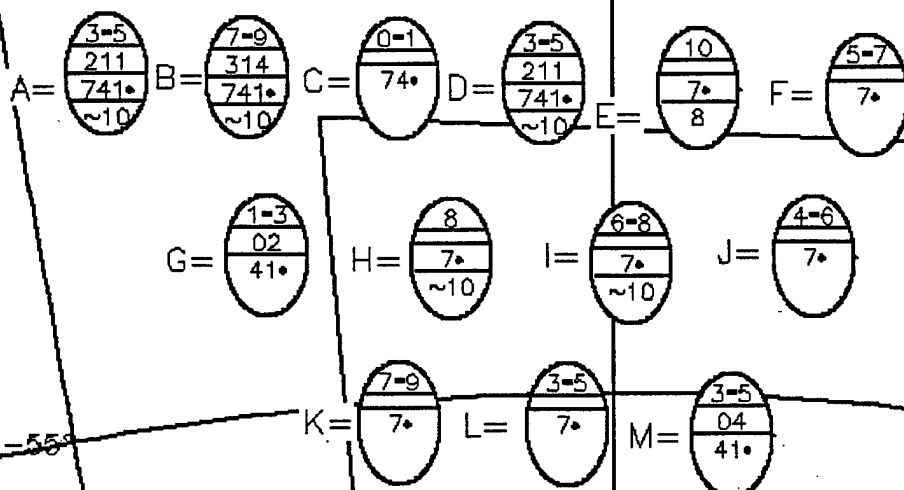
ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND OUR AUTOPOLLING SYSTEMS AS
SBERG01.TIF

△ = ICEBERG



130°

150°



IF = SEA ICE FREE

WILKESLAND ICE ANALYSIS (4 OF 4) NATIONAL ICE CENTER

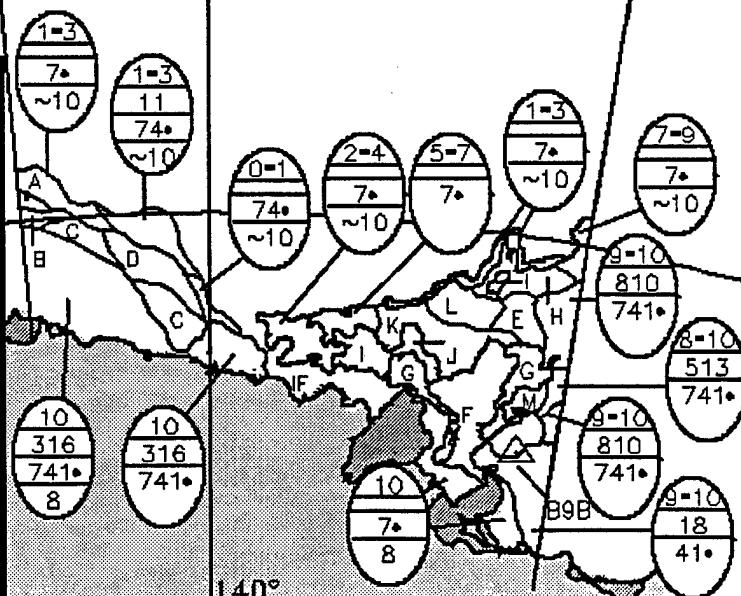
ANALYSIS WEEK: 22-26 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT	=====	
RECONNAISSANCE	=====	
DMSF OLS	=====	20-21 DEC
AVHRR	-----	21 DEC
ESTIMATED	-----	21 DEC
SSM/I	-----	21 DEC

ICEBERG INFORMATION CAN BE FOUND ON OUR
 WEBSITE AND OUR AUTOPOLLING SYSTEMS AS
 SBORG01.TIF

△ = ICEBERG



160°

ROSS SEA ICE ANALYSIS (1 OF 5)

NATIONAL ICE CENTER

ANALYSIS DATE: WEEK OF 27 OCT 97

DATA SOURCES

DATE

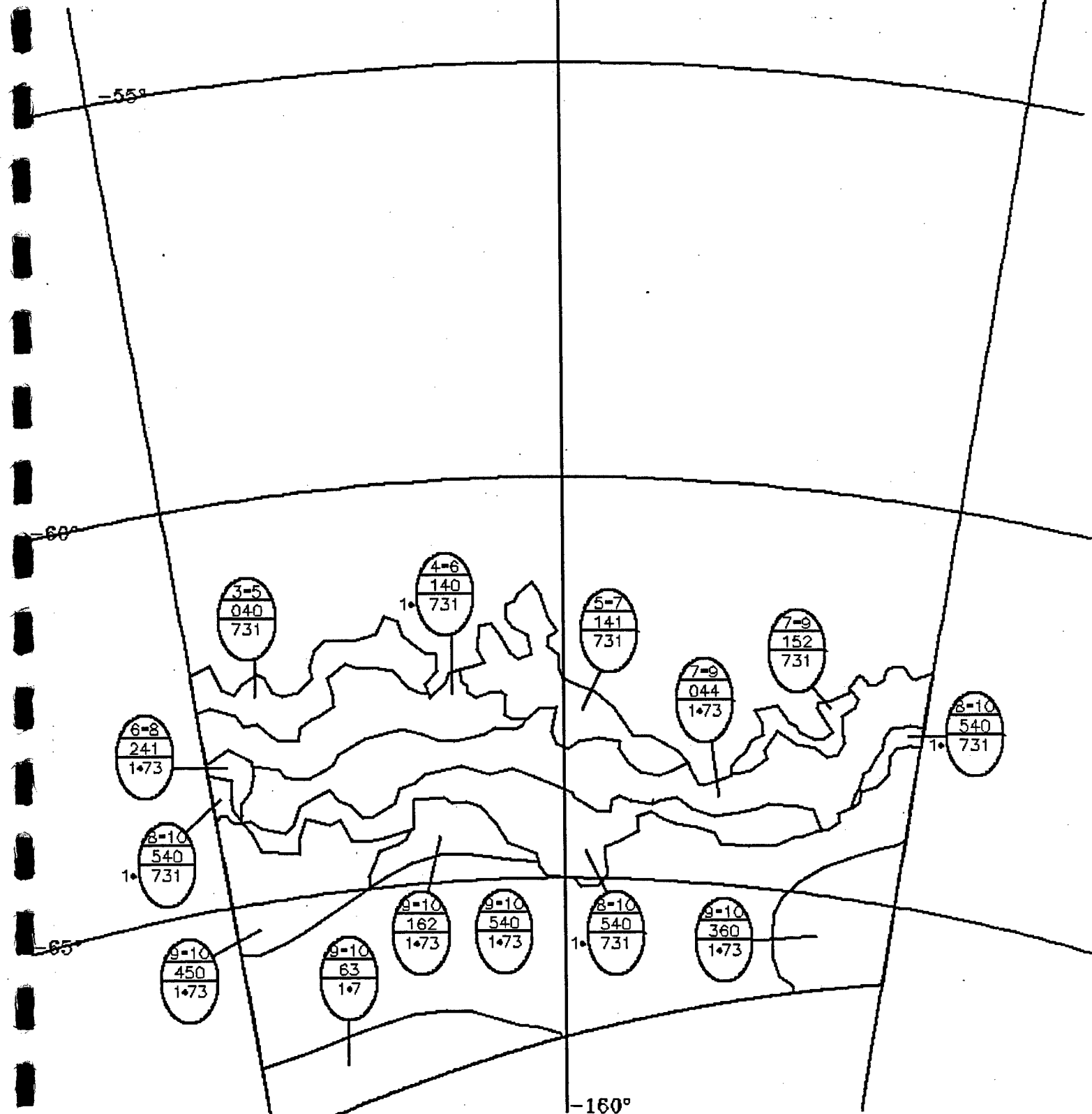
RECONNAISSANCE.....

SHIP.....

SSM/I..... 27 OCT 97

VISIBLE/INFRARED.....

RADAR.....



ROSS SEA ICE ANALYSIS (2 OF 5)

NATIONAL ICE CENTER

ANALYSIS DATE: WEEK OF 27 OCT 97

DATA SOURCES

DATE

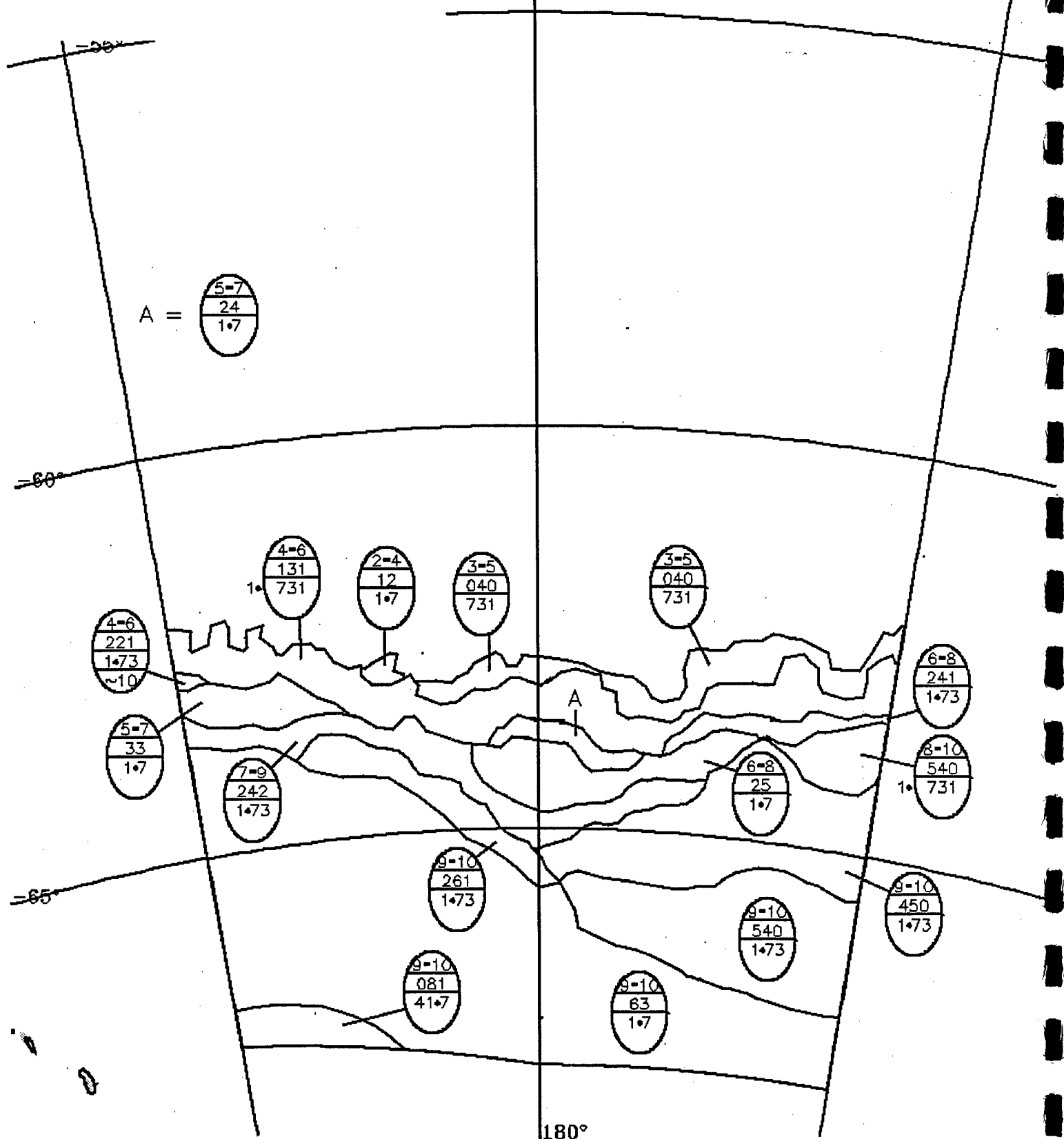
RECONNAISSANCE.....

SHIP.....

SSM/I..... 27 OCT 97

VISIBLE/INFRARED.....

RADAR.....



ROSS SEA ICE ANALYSIS (3 OF 5)

NATIONAL ICE CENTER

ANALYSIS DATE: WEEK OF 27 OCT 97

DATA SOURCES

DATE

RECONNAISSANCE.....

SHIP.....

SSM/I..... 27 OCT 97

VISIBLE/INFRARED.....

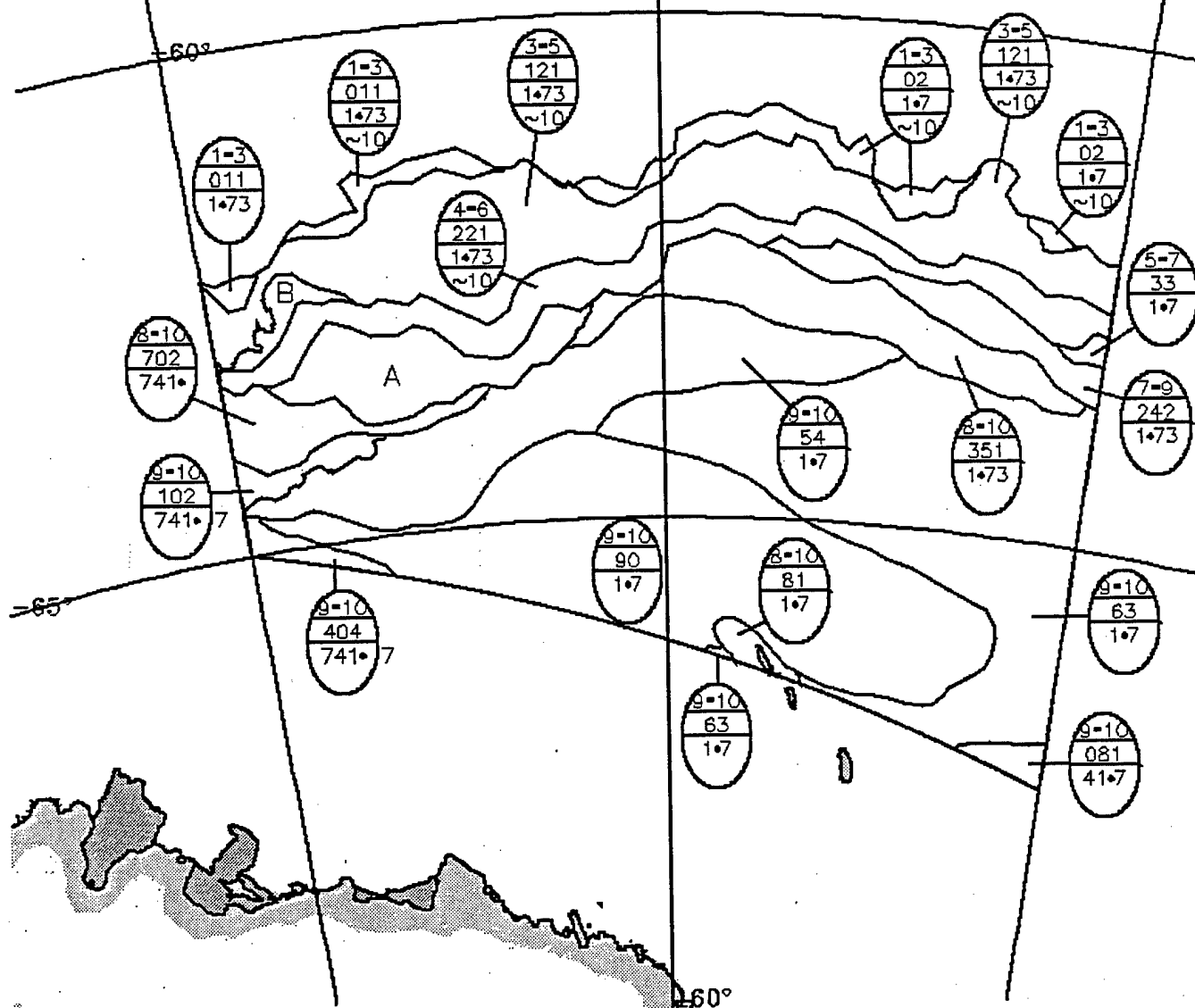
RADAR.....

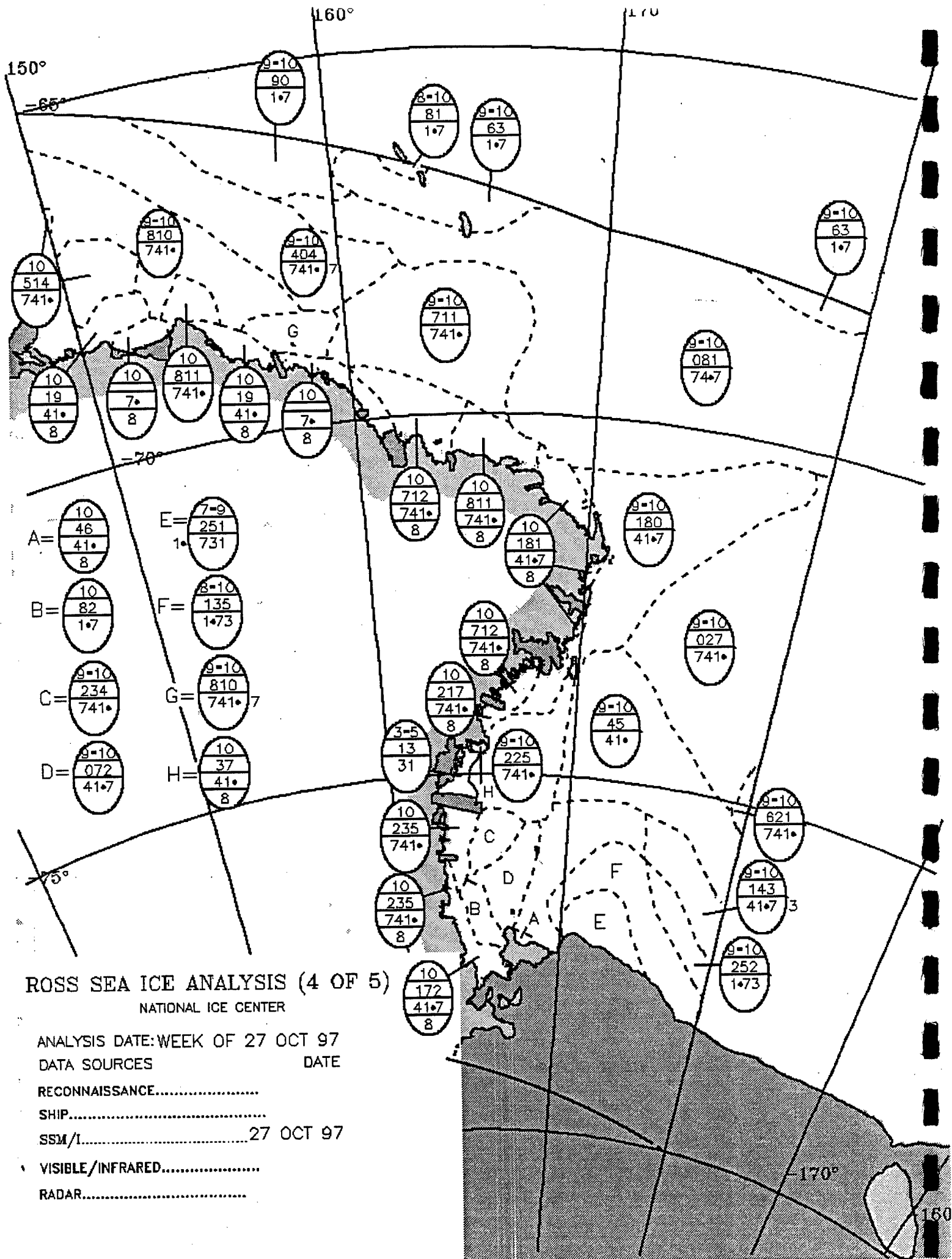
A =

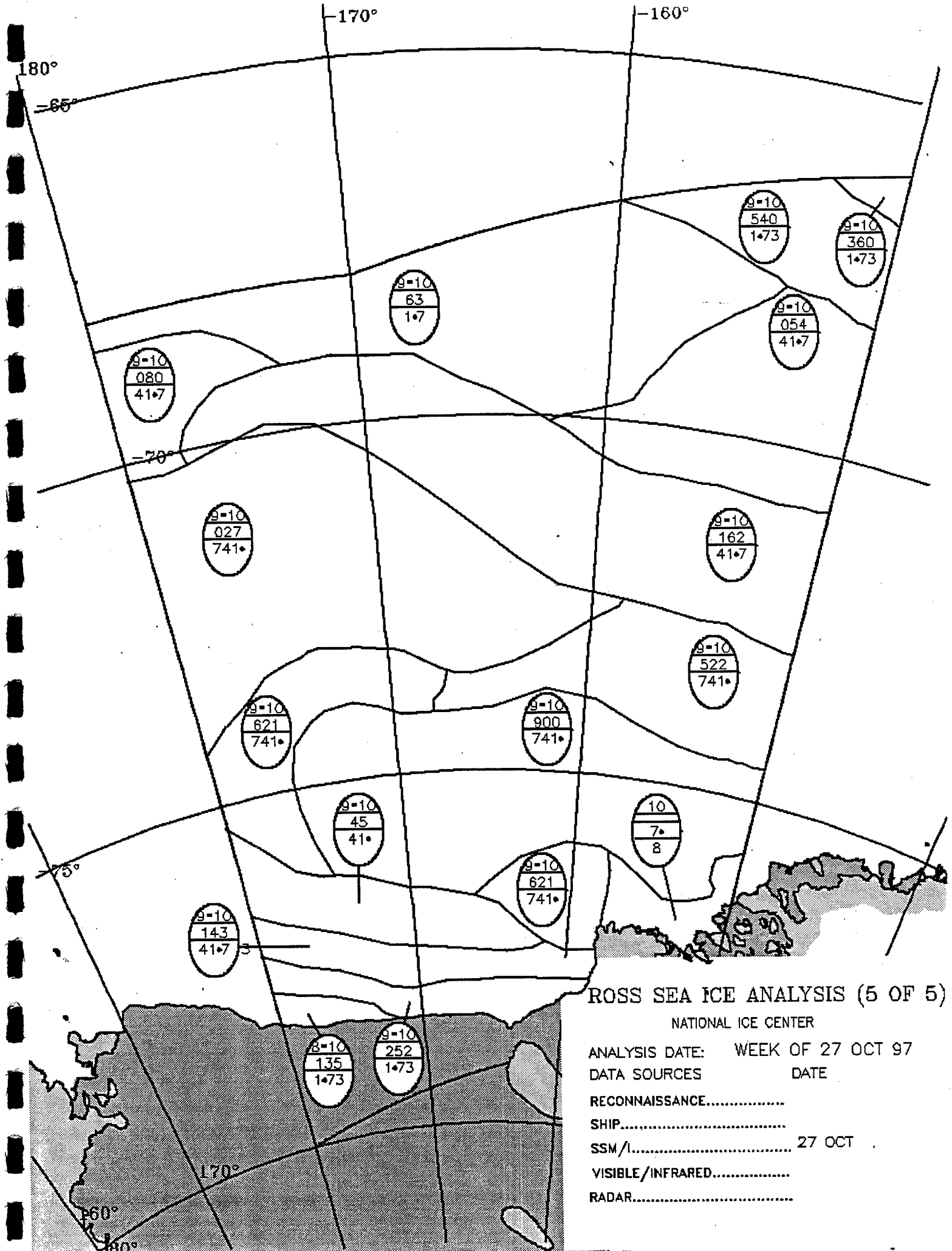
7-9
242
1.73

B =

3-5
220
1.73
~10







ROSS SEA ICE ANALYSIS (5 OF 5)
NATIONAL ICE CENTER
ANALYSIS DATE: WEEK OF 27 OCT 97
DATA SOURCES DATE
RECONNAISSANCE.....
SHIP.....
SSM/I..... 27 OCT
VISIBLE/INFRARED.....
RADAR.....

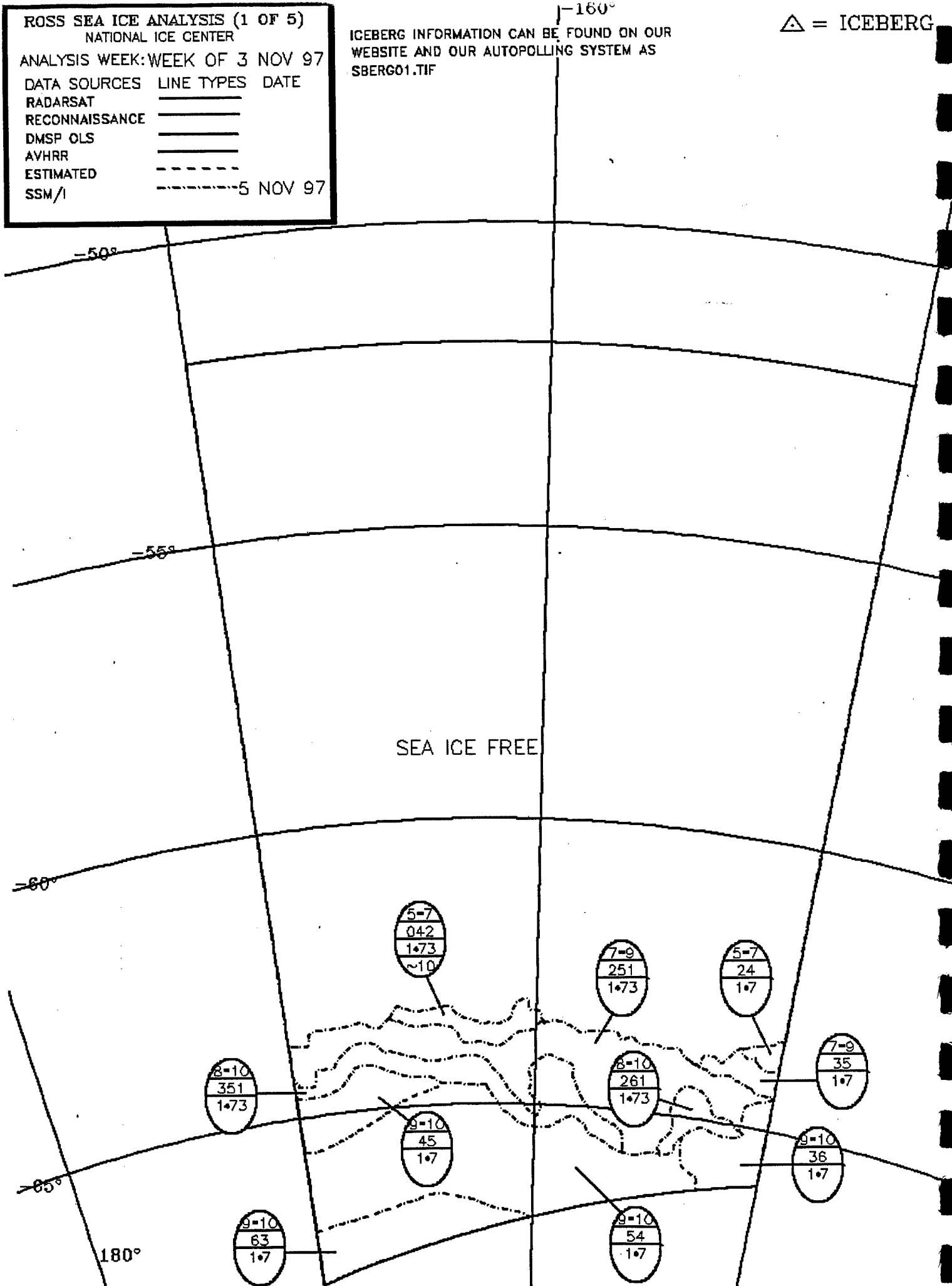
ROSS SEA ICE ANALYSIS (1 OF 5)
NATIONAL ICE CENTER

ANALYSIS WEEK: WEEK OF 3 NOV 97

DATA SOURCES	LINE TYPES	DATE
RADARSAT	=====	
RECONNAISSANCE	=====	
DMSP OLS	=====	
AVHRR	=====	
ESTIMATED	-----	
SSM/I	-----	5 NOV 97

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG



ROSS SEA ICE ANALYSIS (2 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK: 3 NOV 97

DATA SOURCES LINE TYPES DATE

RADARSAT _____

RECONNAISSANCE _____

DMSP OLS _____

AVHRR _____

ESTIMATED - - - - -

SSM/I 5 NOV 97

180°

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG

-170°

-50°

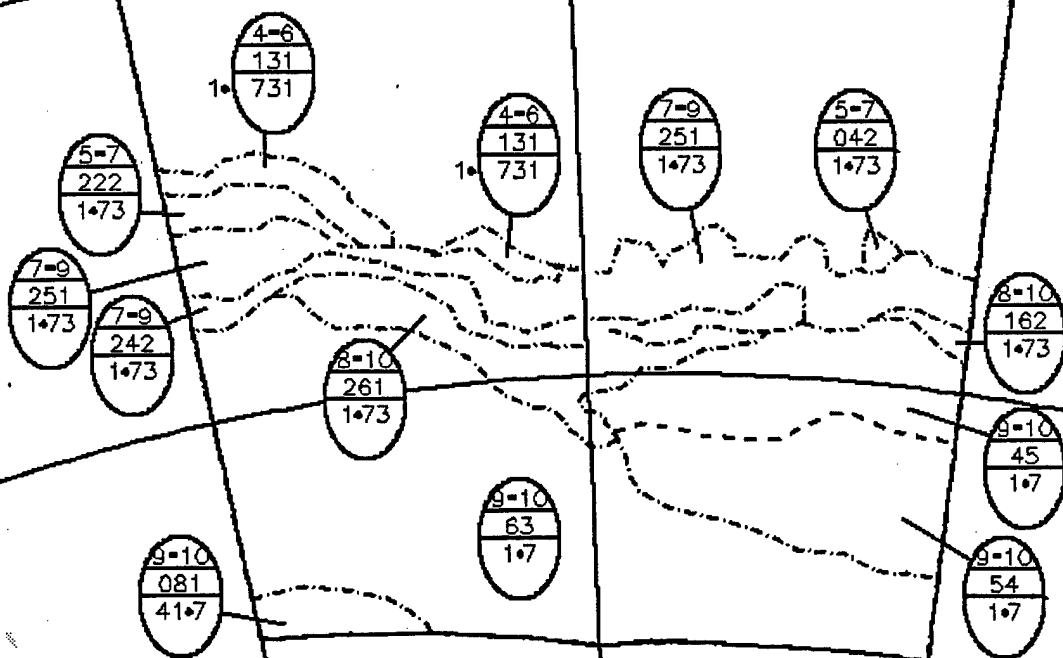
-55°

SEA ICE FREE

-60°

-65°

-160°



SEA ICE FREE

△ = ICEBERG

ROSS SEA ICE ANALYSIS (3 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK: WEEK OF 3 NOV 97

DATA SOURCES LINE TYPES DATE

RADARSAT _____

RECONNAISSANCE _____

DMSP OLS _____

AVHRR _____ 3 NOV 97

ESTIMATED _____ 5 NOV 97

SSM/I - - - - - 4 NOV 97

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLING SYSTEM AS
SBERG01.TIF

4-6
221
1.73
~10

4-6
131
731

7-9
321
1.73
~10

5-7
222
1.73

8
53
1.7
~10

7-9
251
1.73

9-10
90
1.7

9-10
63
1.7

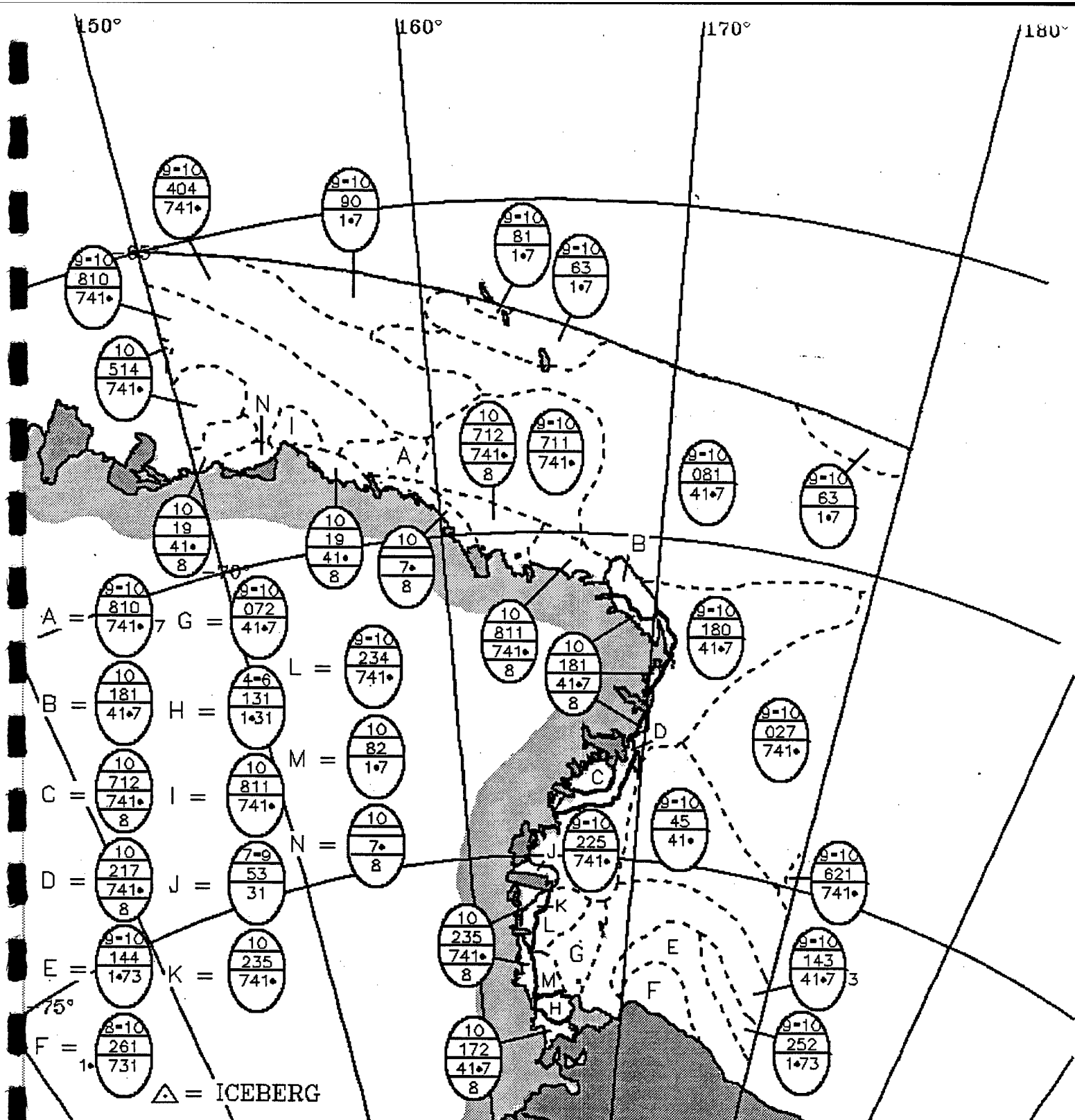
7-9
242
1.73

9-10
404
741

9-10
63
1.7

9-10
81
1.7

9-10
081
41.7

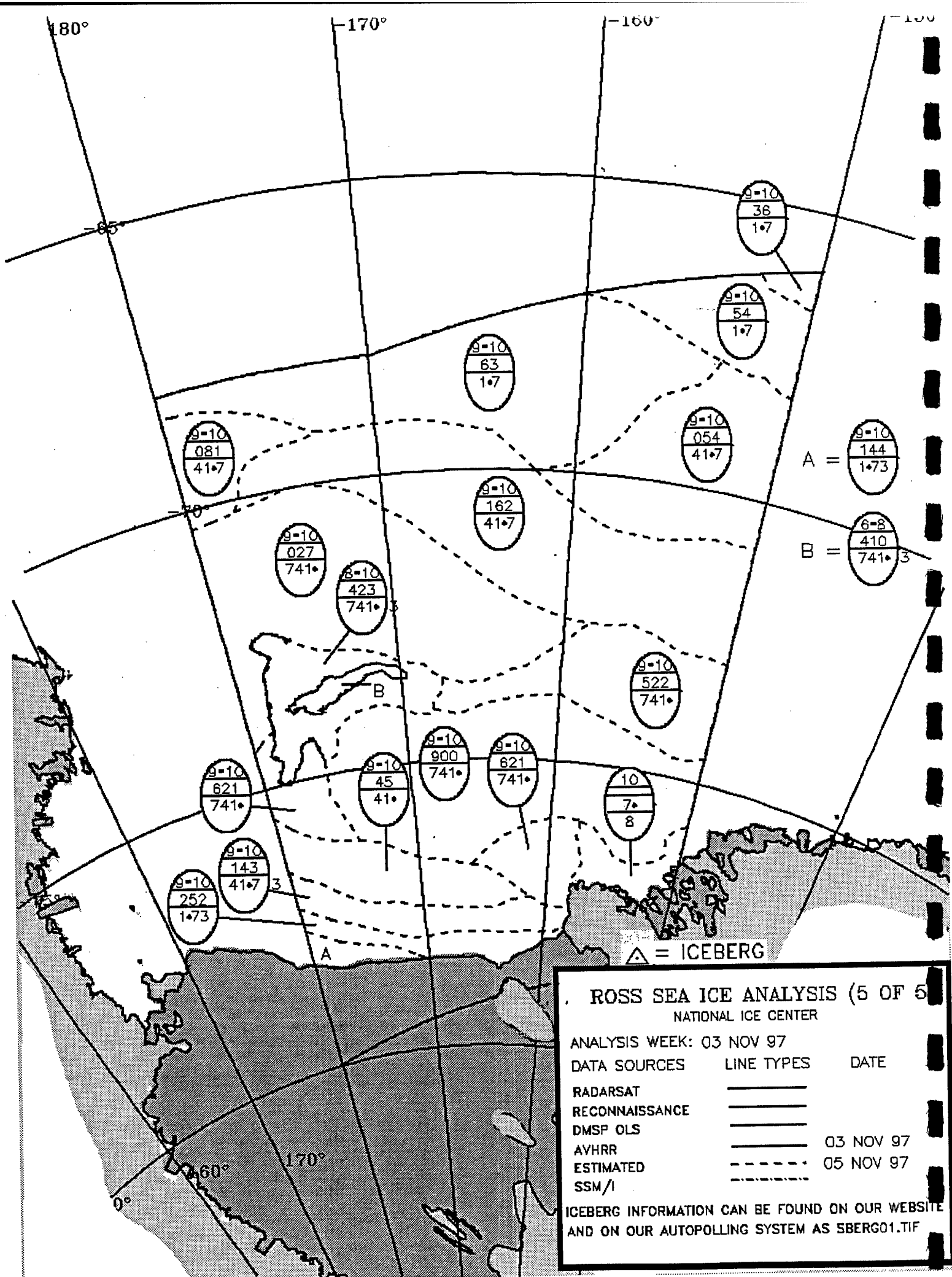


ROSS SEA ICE ANALYSIS (4 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK:	Q3 NOV 97	DATE
DATA SOURCES	LINE TYPES	
RADARSAT	=====	
RECONNAISSANCE	=====	
DMSP OLS	=====	03 NOV 97
AVHRR	=====	03 NOV 97
ESTIMATED	-----	05 NOV 97
SSM/I	-----	

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLING SYSTEM AS SBERG01.TIF



ROSS SEA ICE ANALYSIS (5 OF 5)
 NATIONAL ICE CENTER

ANALYSIS WEEK: 03 NOV 97

DATA SOURCES	LINE TYPES	DATE
RADARSAT	_____	
RECONNAISSANCE	_____	
DMSP OLS	_____	
AVHRR	_____	03 NOV 97
ESTIMATED	-----	05 NOV 97
SSM/I	-----	

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE
 AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF

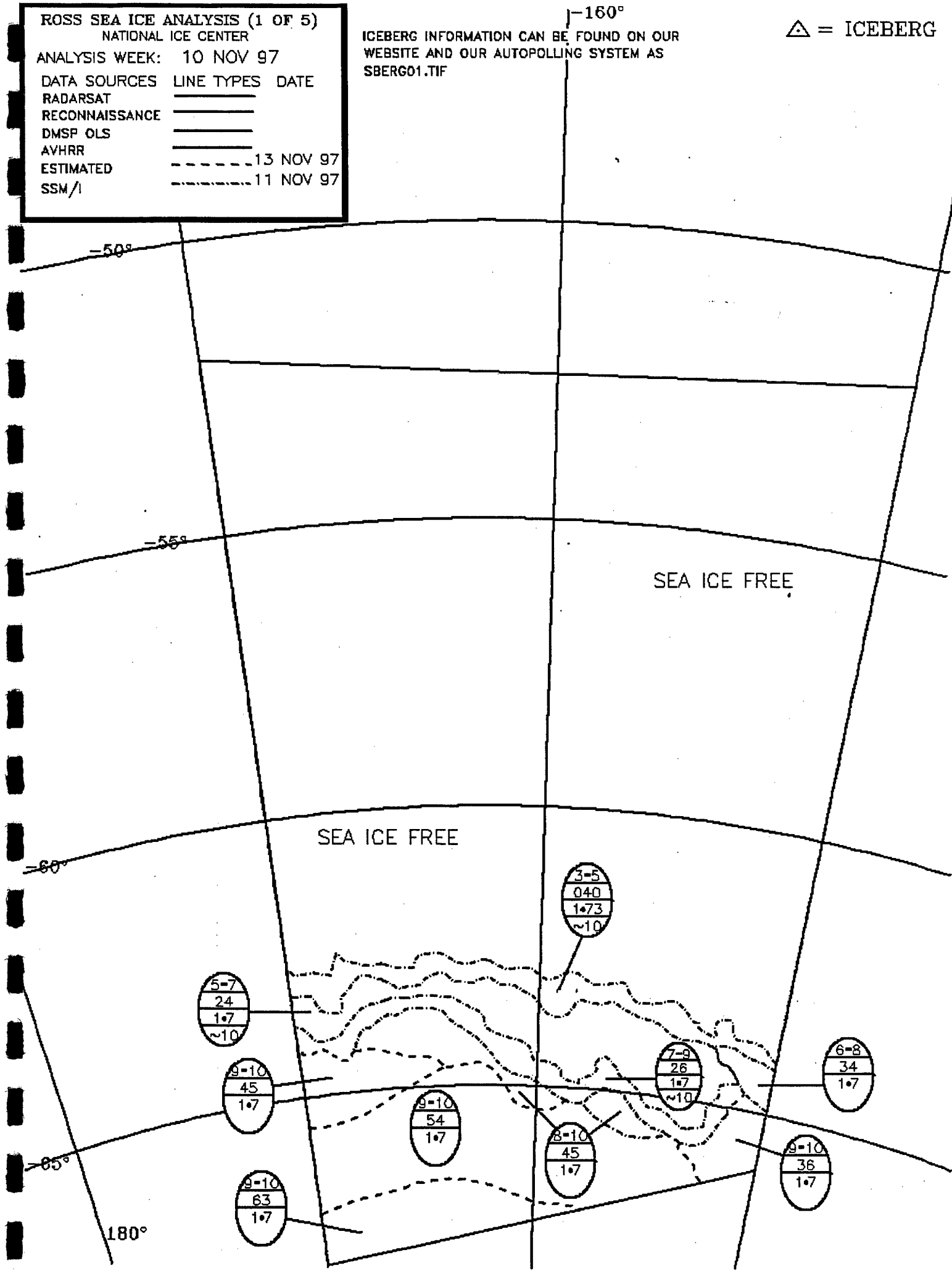
ROSS SEA ICE ANALYSIS (1 OF 5)
NATIONAL ICE CENTER

ANALYSIS WEEK: 10 NOV 97

DATA SOURCES	LINE TYPES	DATE
RADARSAT	_____	
RECONNAISSANCE	_____	
DMSF OLS	_____	
AVHRR	_____	
ESTIMATED	-----	13 NOV 97
SSM/I	-----	11 NOV 97

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG



ROSS SEA ICE ANALYSIS (2 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK: 10 NOV 97

DATA SOURCES LINE TYPES DATE

RADARSAT _____

RECONNAISSANCE _____

DMSP OLS _____

AVHRR ----- 13 NOV 97

ESTIMATED ----- 11 NOV 97

SSM/I

180°

-170°

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG

-50°

SEA ICE FREE

-55°

SEA ICE FREE

-60°

5-7
24
1.7
~10

3-5
22
1.7

7-9
26
1.7
~10

8-10
261
1.73

9-10
63
1.7

3-5
040
1.73
~10

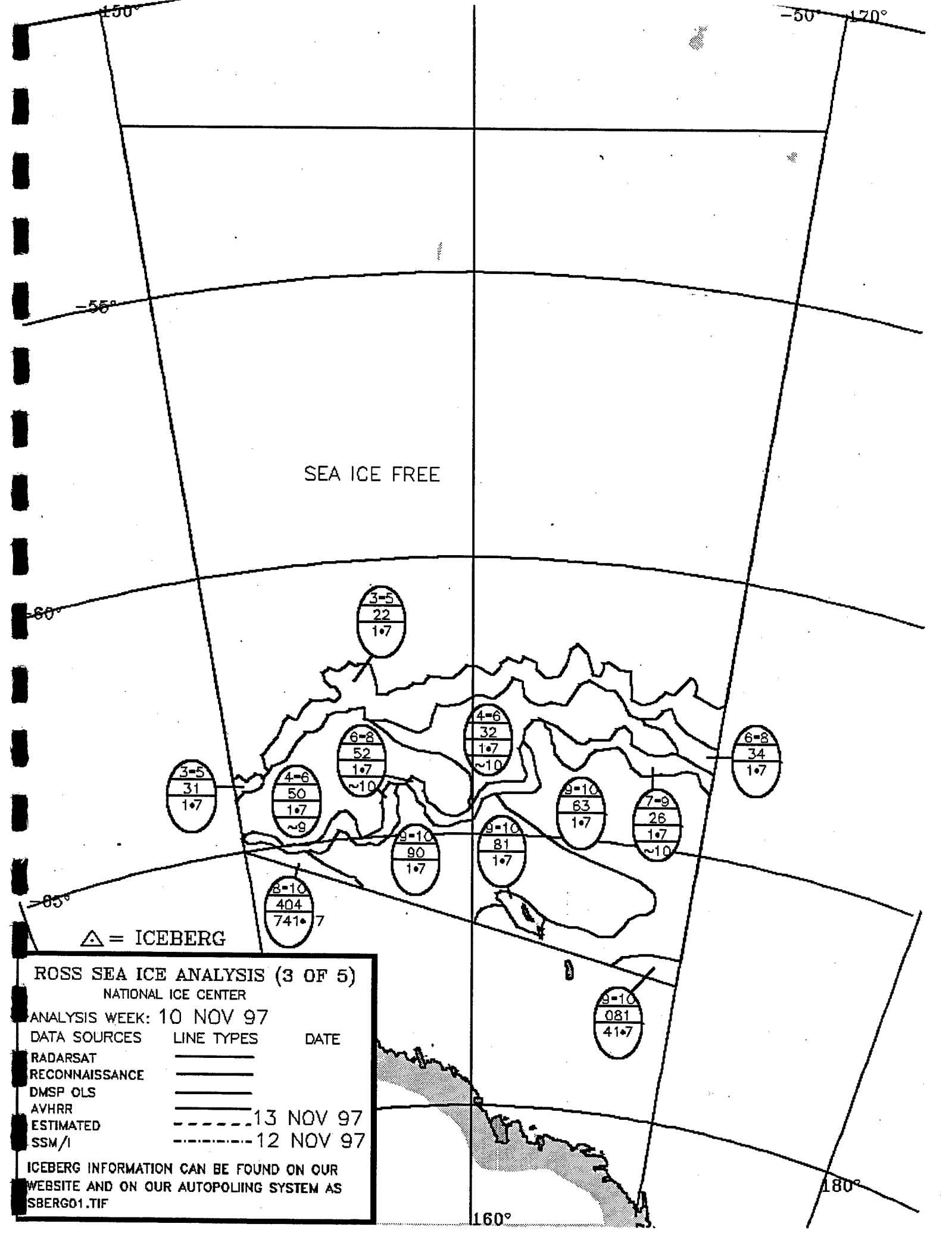
5-7
24
1.7
~10

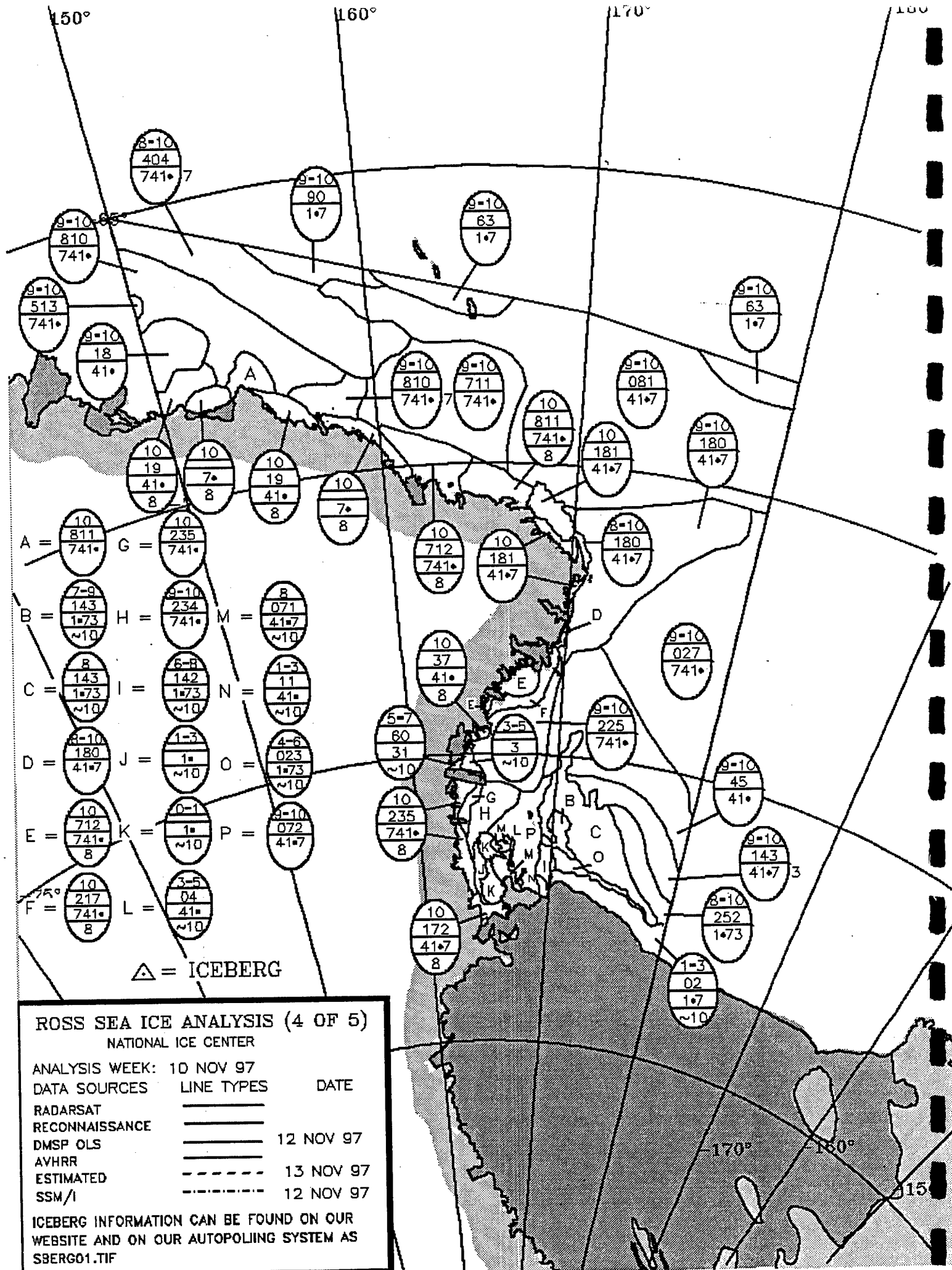
9-10
45
1.7

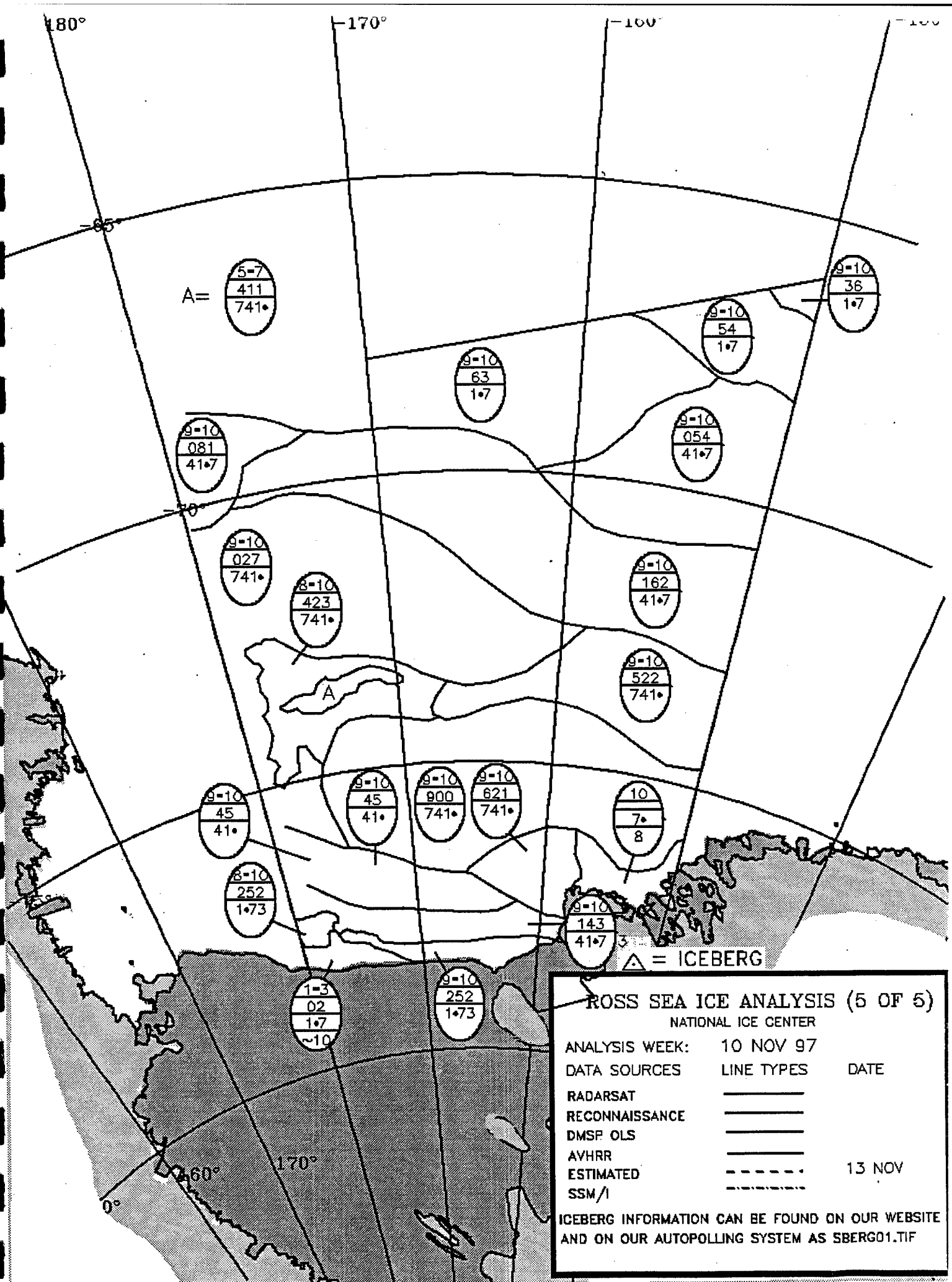
9-10
54
1.7

9-10
081
41.7

-160°







ROSS SEA ICE ANALYSIS (5 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK: 10 NOV 97

DATA SOURCES LINE TYPES DATE

RADARSAT _____

RECONNAISSANCE _____

DMSP OLS _____

AVHRR _____

ESTIMATED ----- 13 NOV

SSM/I -----

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE
AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF

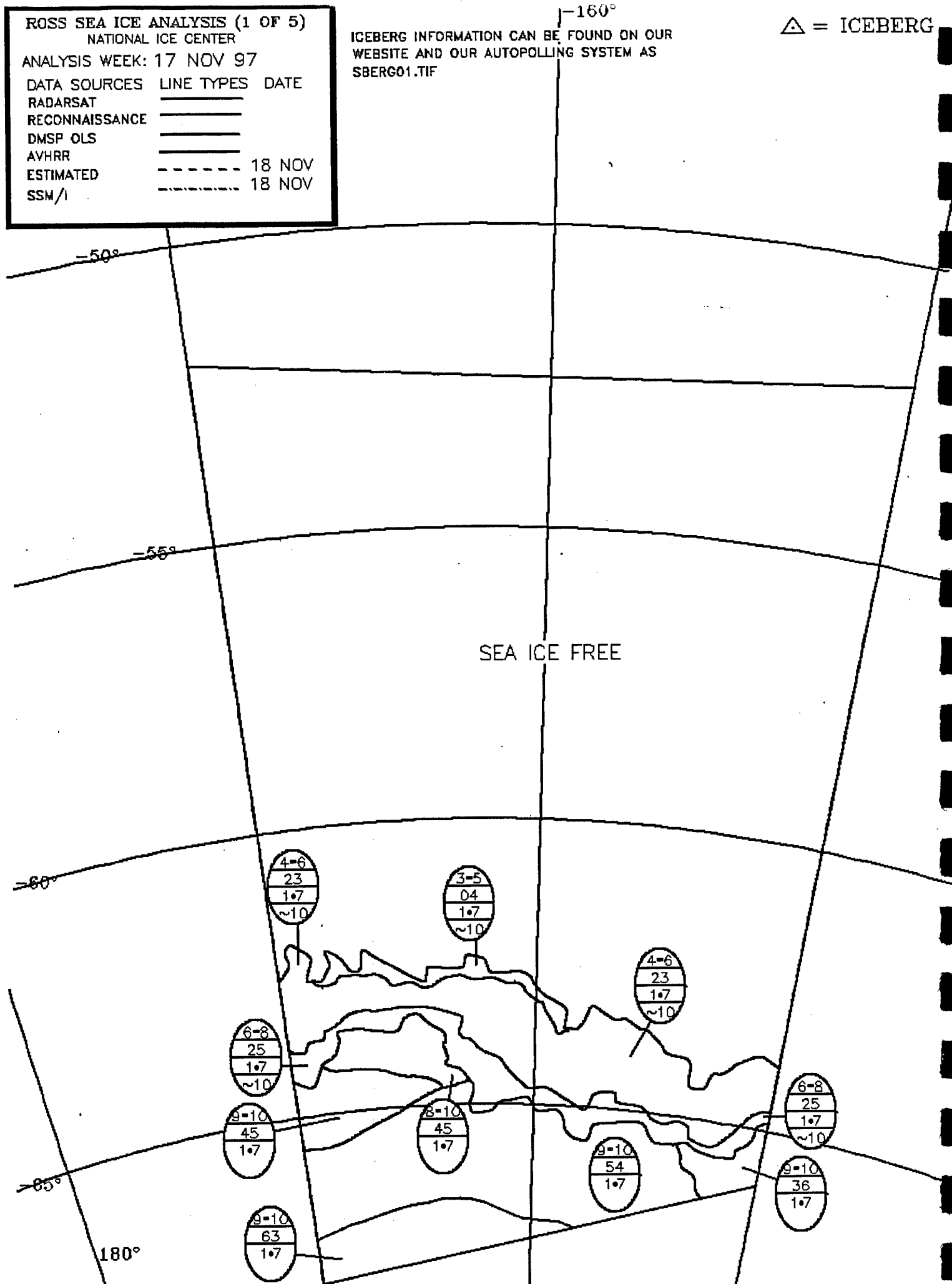
ROSS SEA ICE ANALYSIS (1 OF 5)
NATIONAL ICE CENTER

ANALYSIS WEEK: 17 NOV 97

DATA SOURCES	LINE TYPES	DATE
RADARSAT	_____	
RECONNAISSANCE	_____	
DMSP OLS	_____	
AVHRR	_____	
ESTIMATED	-----	18 NOV
SSM/I	-----	18 NOV

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG



ROSS SEA ICE ANALYSIS (2 OF 6)

NATIONAL ICE CENTER

ANALYSIS WEEK: 17 NOV 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

AVHRR

ESTIMATED

SSM/I

18 NOV

18 NOV

180°

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG

-170°

SEA ICE FREE

-50°

-55°

-60°

-65°

-160°

A=
7-9
26
1.7
~10

3-5
13
1.7
~10

4-6
23
1.7
~10

7-9
26
1.7
~10

9-10
63
1.7

9-10
081
41.7

6-8
63
1.7
~10

8
26
1.7
~10

2-4
03
1.7
~10

6-8
25
1.7
~10

9-10
45
1.7

9-10
54
1.7

SEA ICE FREE

△ = ICEBERG

ROSS SEA ICE ANALYSIS (3 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK: 17 NOV 97

DATA SOURCES LINE TYPES DATE

RADARSAT _____

RECONNAISSANCE _____

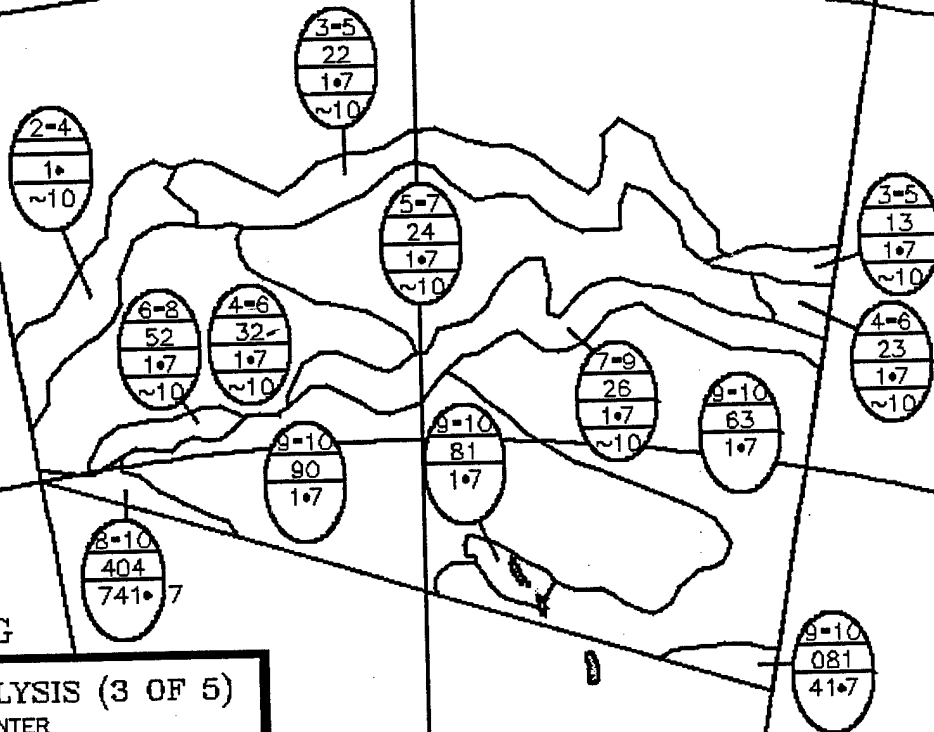
DMSP OLS _____

AVHRR _____

ESTIMATED - - - - - 18 NOV 97

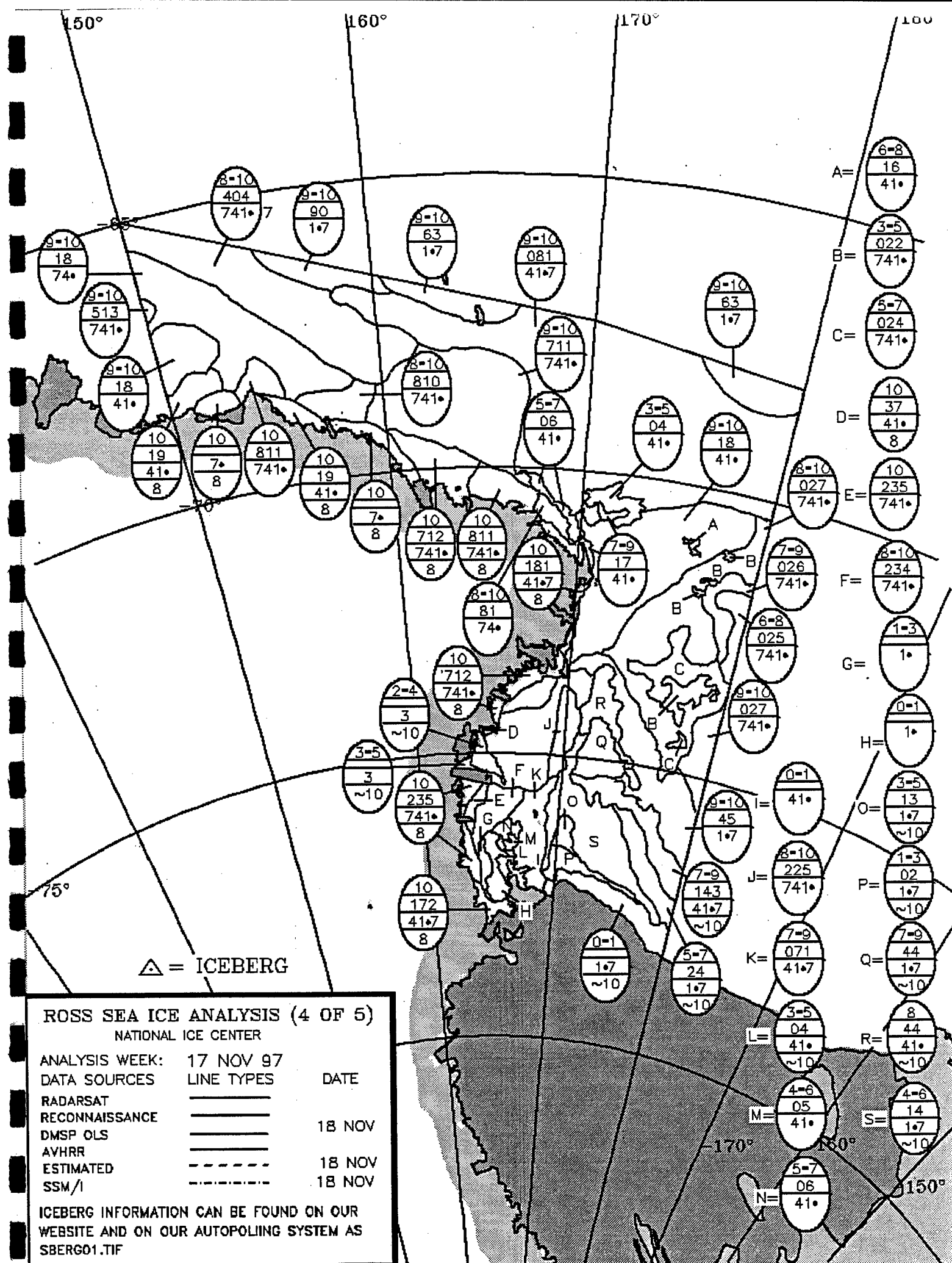
SSM/I - - - - - 18 NOV 97

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLING SYSTEM AS
SBERG01.TIF



160°

180°

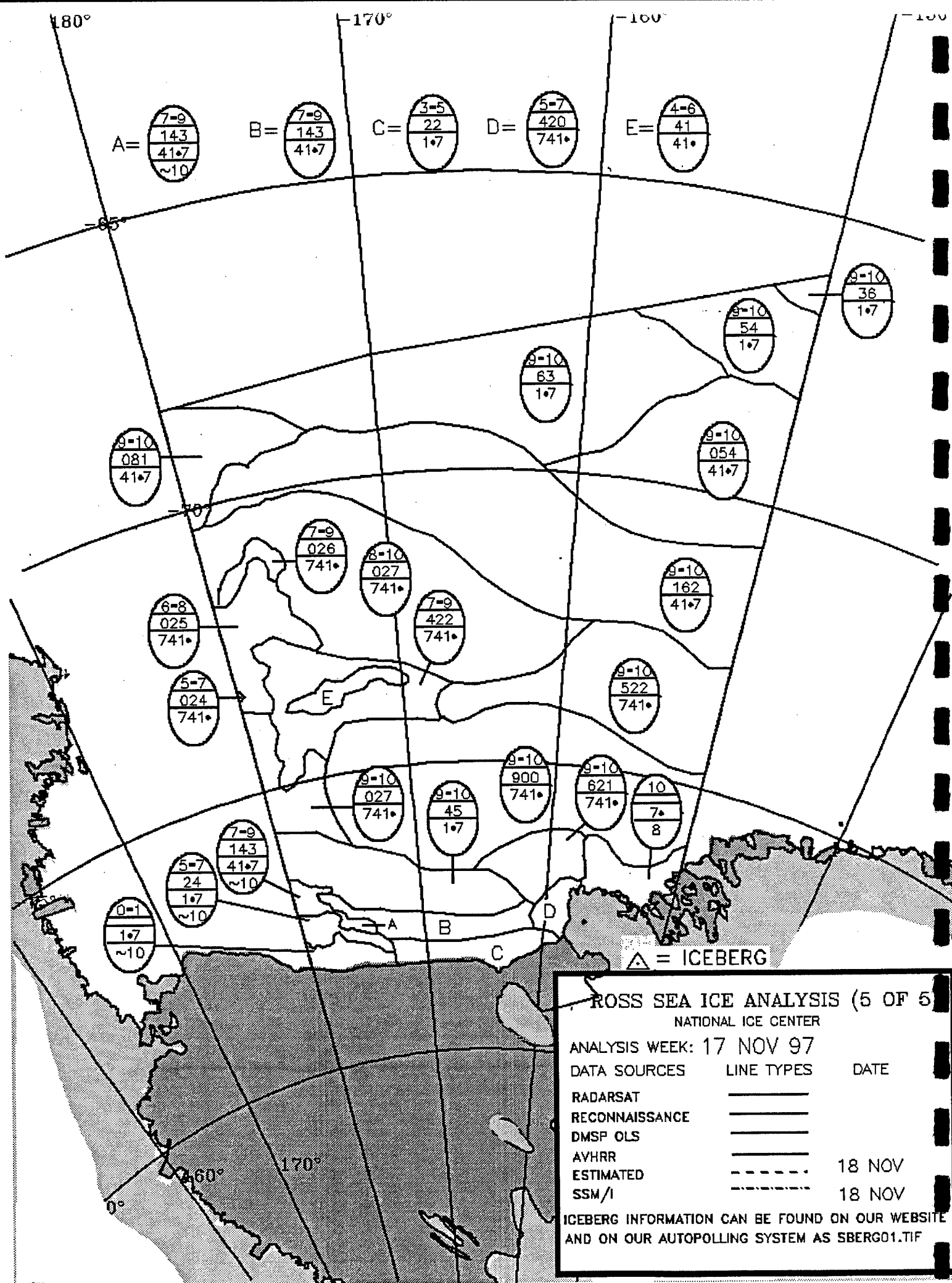


ROSS SEA ICE ANALYSIS (4 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK:	17 NOV 97	DATE
DATA SOURCES	LINE TYPES	
RADARSAT	=====	
RECONNAISSANCE	=====	18 NOV
DMSP OLS	=====	
AVHRR	=====	18 NOV
ESTIMATED	-----	18 NOV
SSM/I	-----	18 NOV

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLING SYSTEM AS SBERG01.TIF



ROSS SEA ICE ANALYSIS (5 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK: 17 NOV 97

DATA SOURCES	LINE TYPES	DATE
RADARSAT	_____	
RECONNAISSANCE	_____	
DMSF OLS	_____	
AVHRR	_____	
ESTIMATED	-----	18 NOV
SSM/I	-----	18 NOV

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE
AND ON OUR AUTOPOLLING SYSTEM AS SBORG01.TIF

ROSS SEA ICE ANALYSIS (1 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK: 24 NOV 97

DATA SOURCES LINE TYPES DATE

RADARSAT _____

RECONNAISSANCE _____

DMSP OLS _____

AVHRR _____

ESTIMATED -----25 NOV 97

SSM/I -----24 NOV 97

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

-160°

△ = ICEBERG

SEA ICE FREE

A =

6-8
34
1.7

B =

8-10
53
1.7

C =

3-5
22
1.7
~10

2-4
21
1.7
~10

4-6
23
1.7
~10

3-5
22
1.7
~10

3-5
22
1.7
~9

6-8
25
1.7
~10

8-10
45
1.7

9-10
45
1.7

5-7
24
1.7

9-10
63
1.7

9-10
54
1.7

9-10
36
1.7

180°

-65°

-60°

-55°

-50°

ROSS SEA ICE ANALYSIS (2 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK: 24 NOV 97

DATA SOURCES LINE TYPES DATE

RADARSAT _____

RECONNAISSANCE _____

DMSP OLS _____

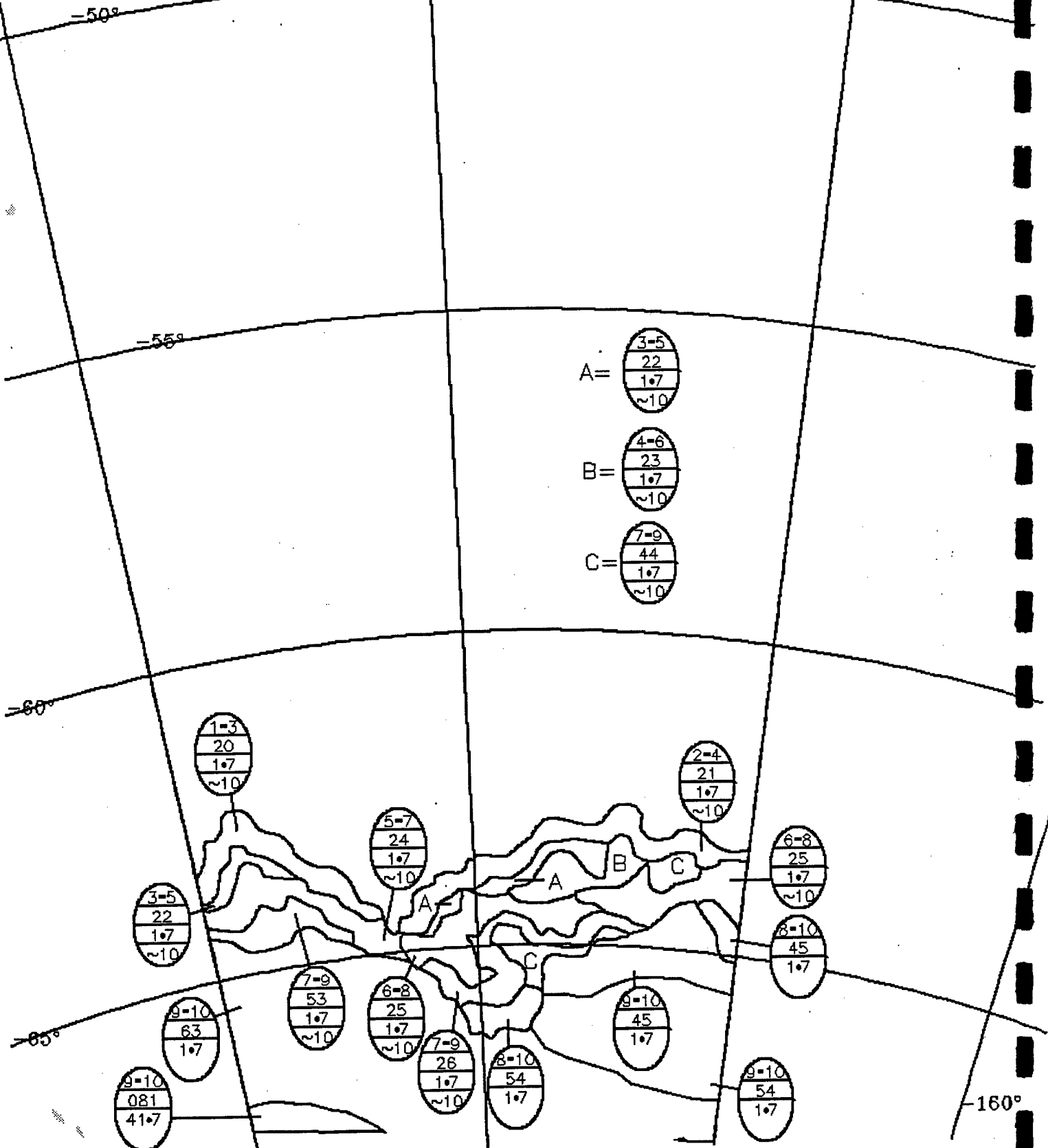
AVHRR _____

ESTIMATED ----- 25 NOV

SSM/I ----- 24 NOV

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG



150°

-50°

-55°

SEA ICE FREE

A =

2-4
21
1.7
~10

B =

4-6
23
1.7
~10

-60°

1-3
20
1.7
~10

1-3
1.
~10

3-5
31
1.7
~10

5-7
1.
~10

7-9
1.
~10

9-10
90
1.7

9-10
81
1.7

7-9
53
1.7
~10

9-10
63
1.7

3-5
22
1.7
~10

5-7
24
1.7
~10

-65°

△ = ICEBERG

8-10
404
741.7

9-10
081
41.7

ROSS SEA ICE ANALYSIS (3 OF 5)
NATIONAL ICE CENTER

ANALYSIS WEEK: 24 NOV 97

DATA SOURCES LINE TYPES DATE

RADARSAT _____

RECONNAISSANCE _____

DMSP OLS _____

AVHRR _____

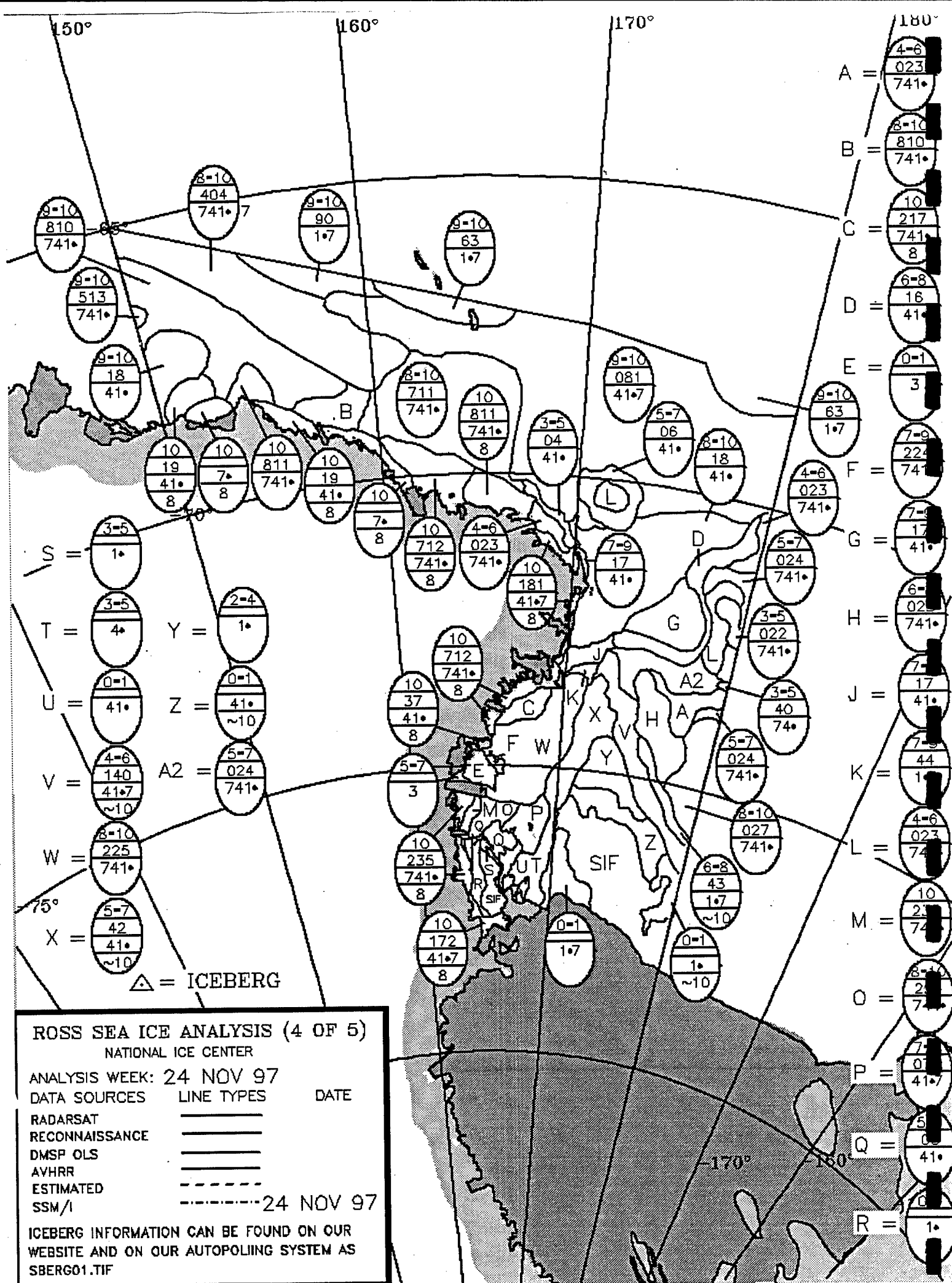
ESTIMATED -----24 NOV 97

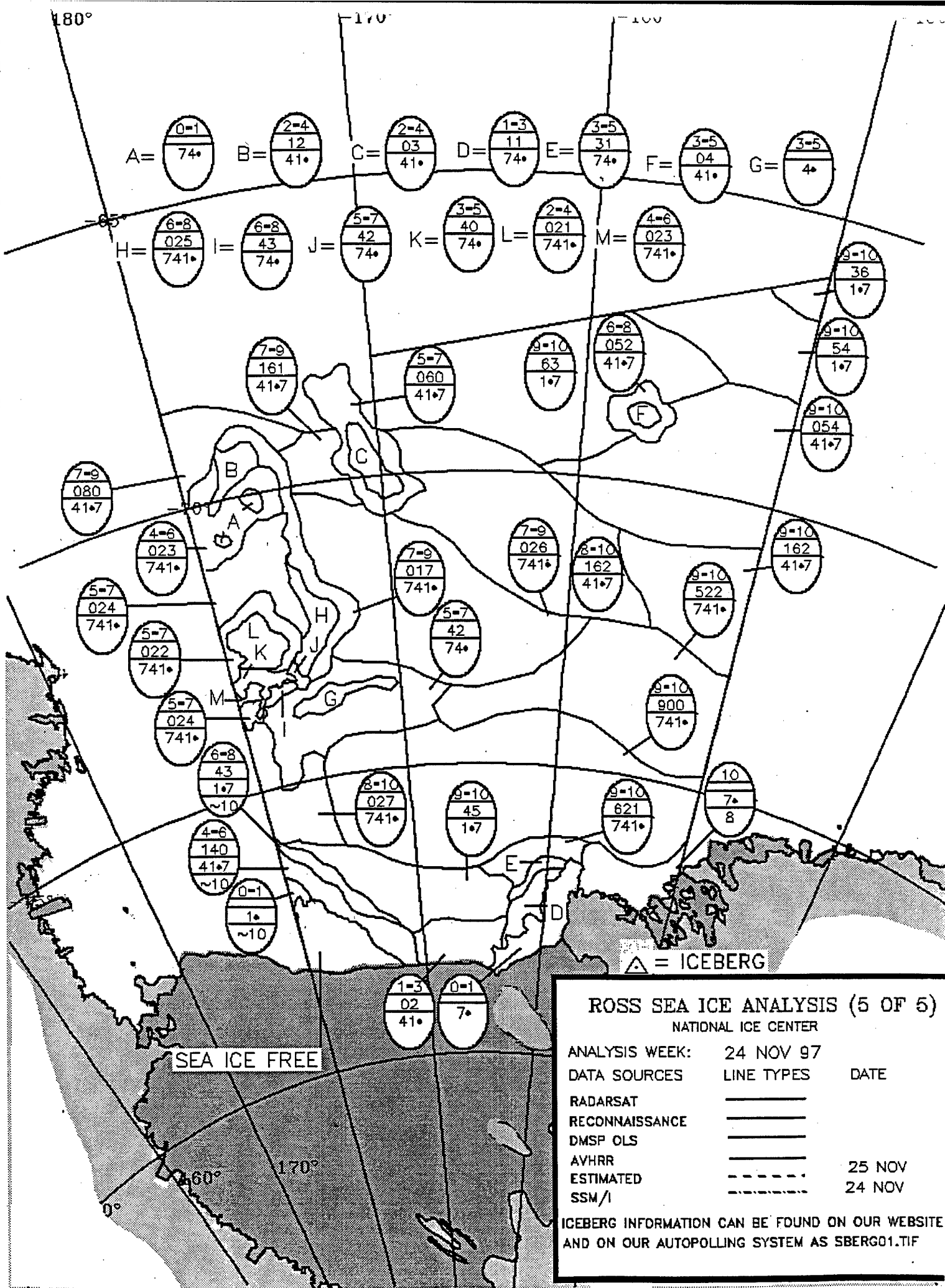
SSM/I 24 NOV 97

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLING SYSTEM AS
SBERG01.TIF

160°

180°





ROSS SEA ICE ANALYSIS (5 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK:	24 NOV 97	
DATA SOURCES	LINE TYPES	DATE
RADARSAT	_____	
RECONNAISSANCE	_____	
DMSP OLS	_____	
AVHRR	_____	25 NOV
ESTIMATED	_____	24 NOV
SSM/I	_____	

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE
AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF

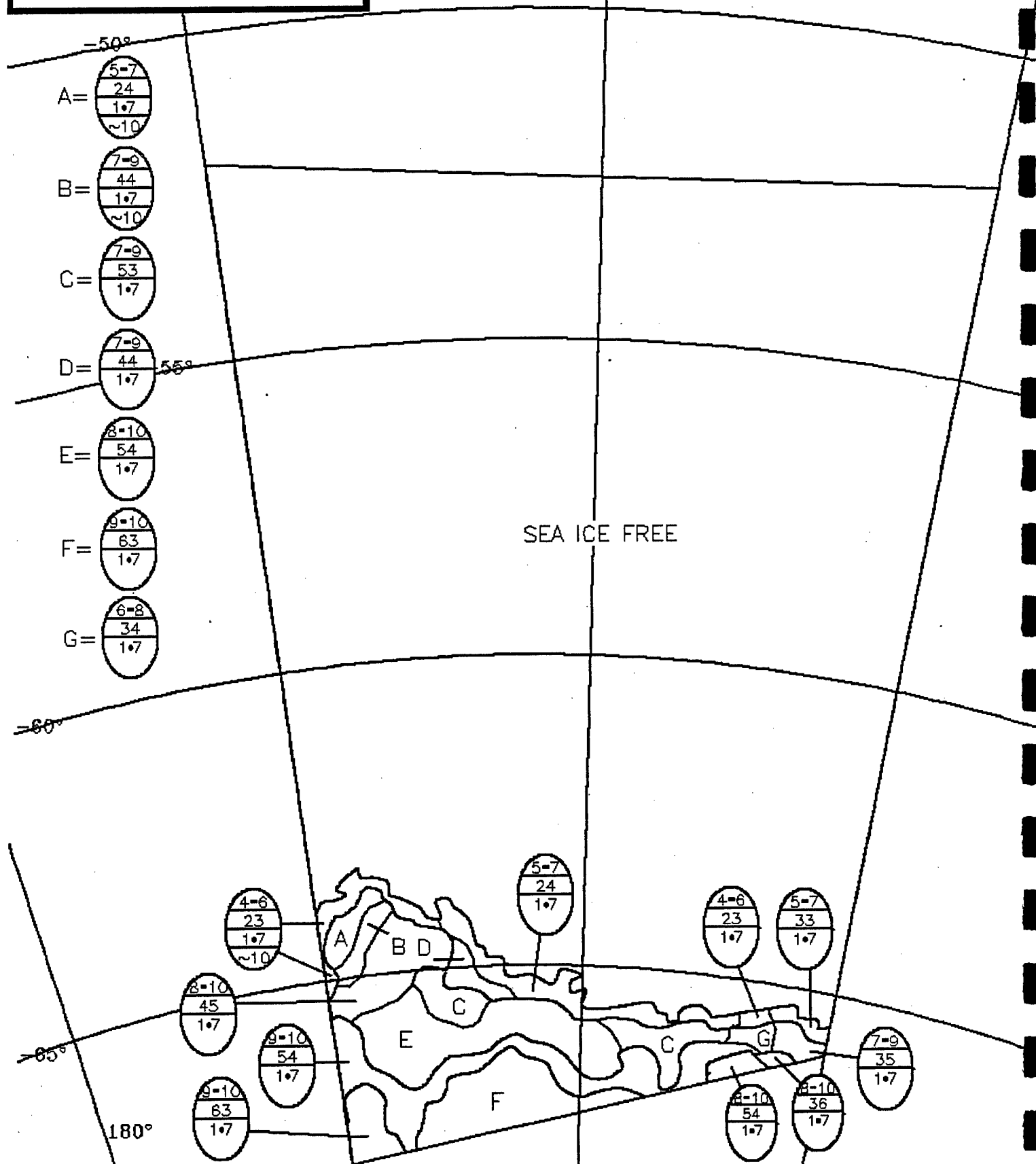
ROSS SEA ICE ANALYSIS (1 OF 5)
NATIONAL ICE CENTER

ANALYSIS WEEK: 01 DEC 97

DATA SOURCES	LINE TYPES	DATE
RADARSAT	_____	
RECONNAISSANCE	_____	
DMSF OLS	_____	
AVHRR	_____	
ESTIMATED	-----	02 DEC 97
SSM/I	-----	01 DEC 97

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG



ROSS SEA ICE ANALYSIS (2 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK: 01 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT _____

RECONNAISSANCE _____

DMSP OLS _____

AVHRR ----- 02 DEC 97

ESTIMATED ----- 01 DEC 97

SSM/I

180°

-170°

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG

-50°

-55°

-60°

SEA ICE FREE

SEA ICE FREE

A =

5-7
24
1.7
~10

B =

5-7
42
1.7
~10

C =

7-9
44
1.7
~10

D =

7-9
53
1.7

E =

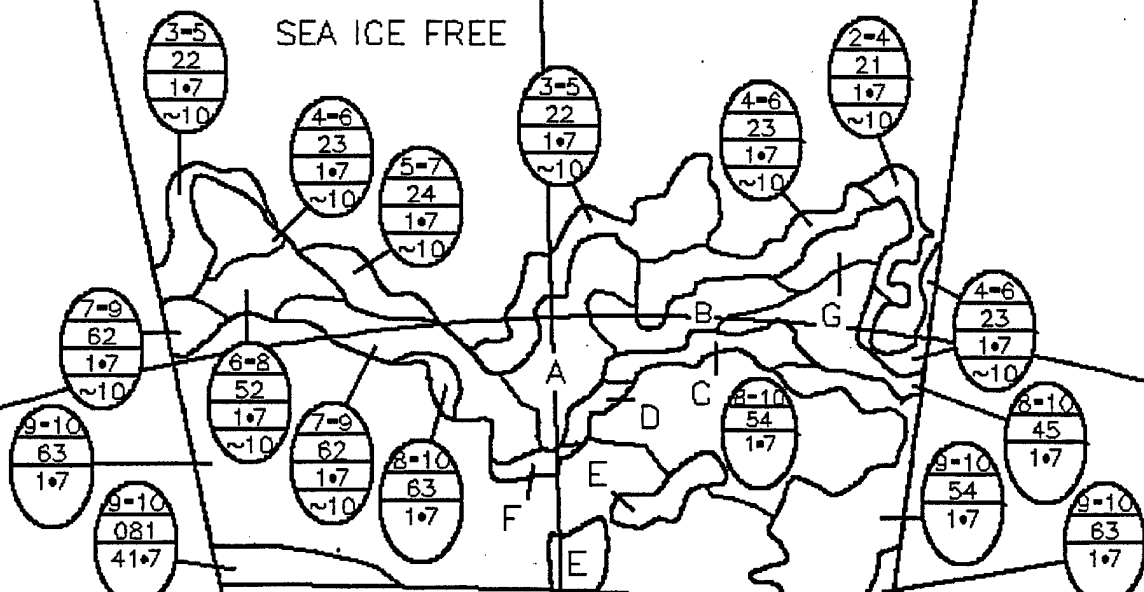
7-9
080
41.7

F =

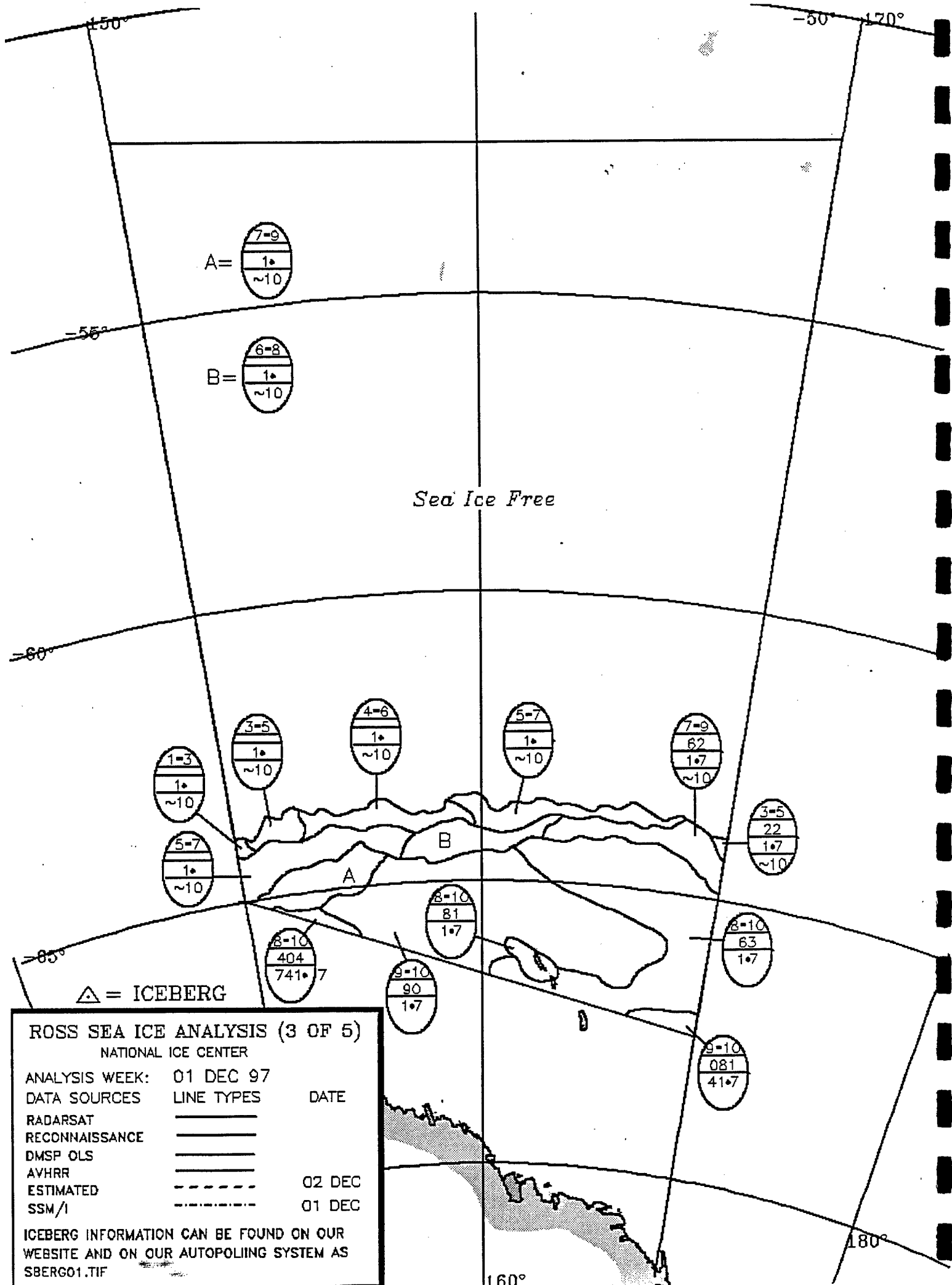
7-9
62
1.7

G =

3-5
22
1.7
~10



-160°

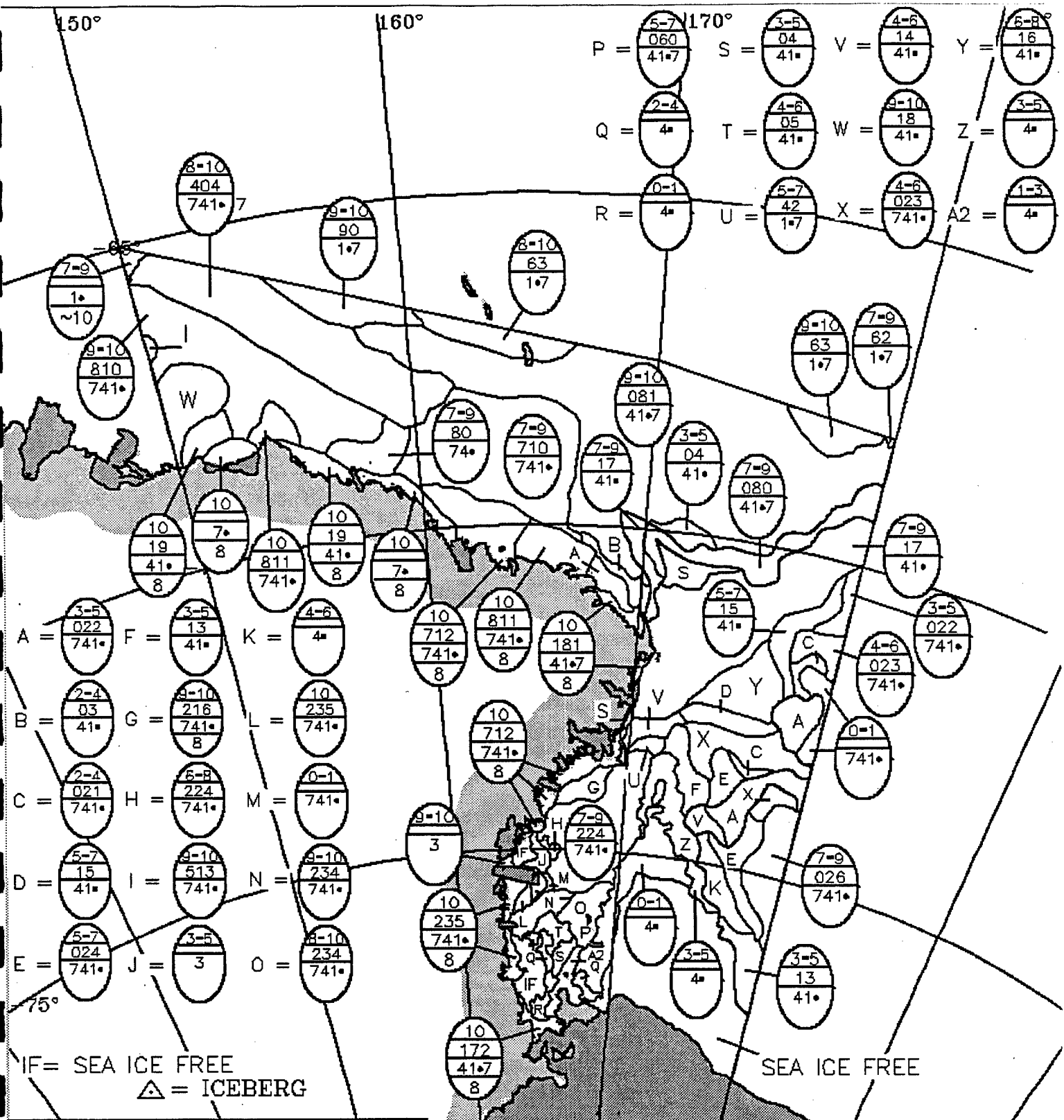


ROSS SEA ICE ANALYSIS (3 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK:	01 DEC 97	
DATA SOURCES	LINE TYPES	DATE
RADARSAT	_____	
RECONNAISSANCE	_____	
DMSF OLS	_____	
AVHRR	_____	02 DEC
ESTIMATED	-----	01 DEC
SSM/I	-----	

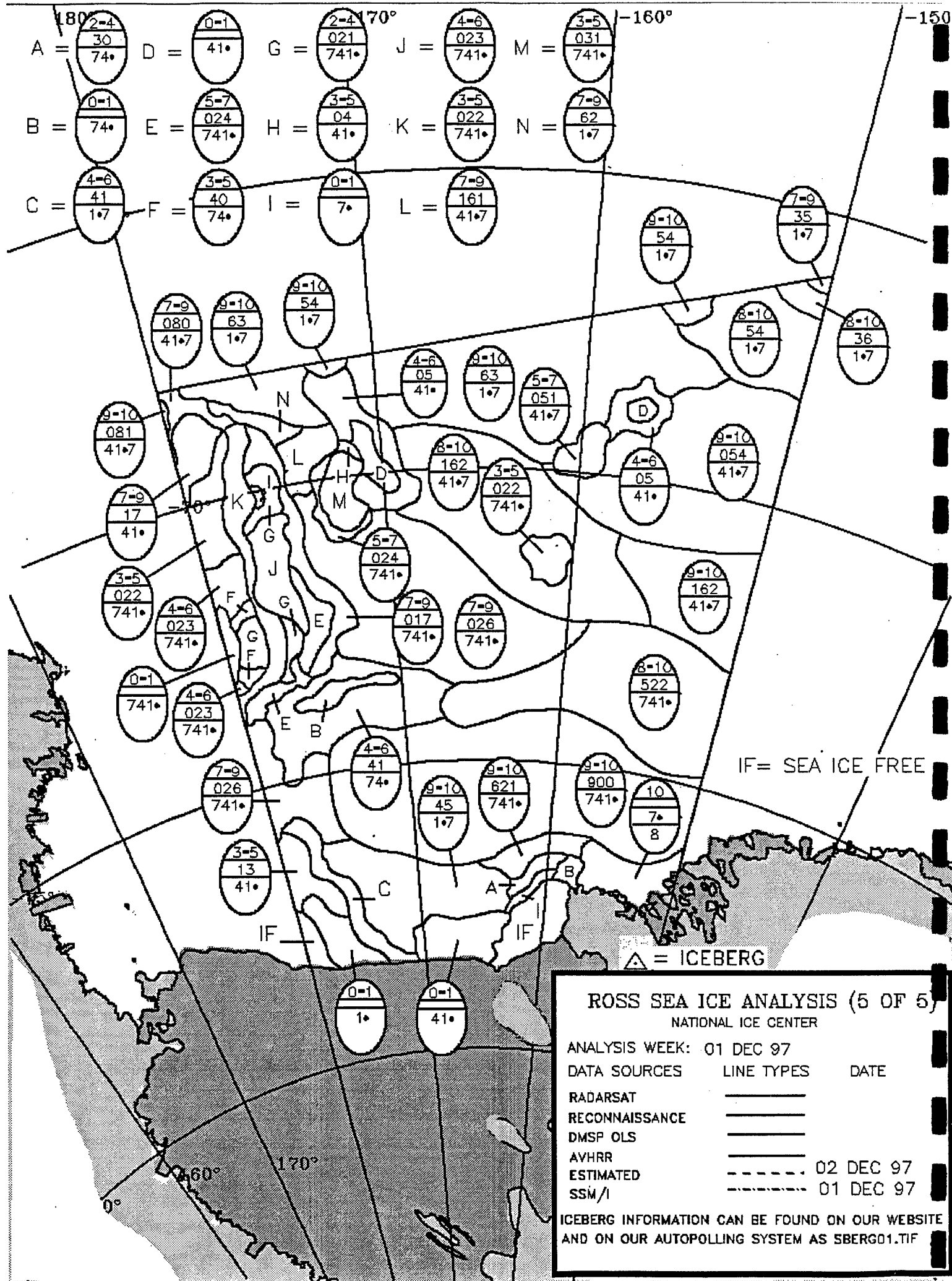
ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLING SYSTEM AS SBERG01.TIF



ROSS SEA ICE ANALYSIS (4 OF 5)
NATIONAL ICE CENTER

ANALYSIS WEEK: 01 DEC 97
 DATA SOURCES LINE TYPES DATE
 RADARSAT _____
 RECONNAISSANCE _____
 DMSP OLS _____
 AVHRR _____
 ESTIMATED ----- 02 DEC 97
 SSM/I 01 DEC 97

ICEBERG INFORMATION CAN BE FOUND ON OUR
 WEBSITE AND ON OUR AUTOPOLING SYSTEM AS
 SBERG01.TIF



ROSS SEA ICE ANALYSIS (1 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK: 8 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

AVHRR

ESTIMATED

SSM/I

DATE

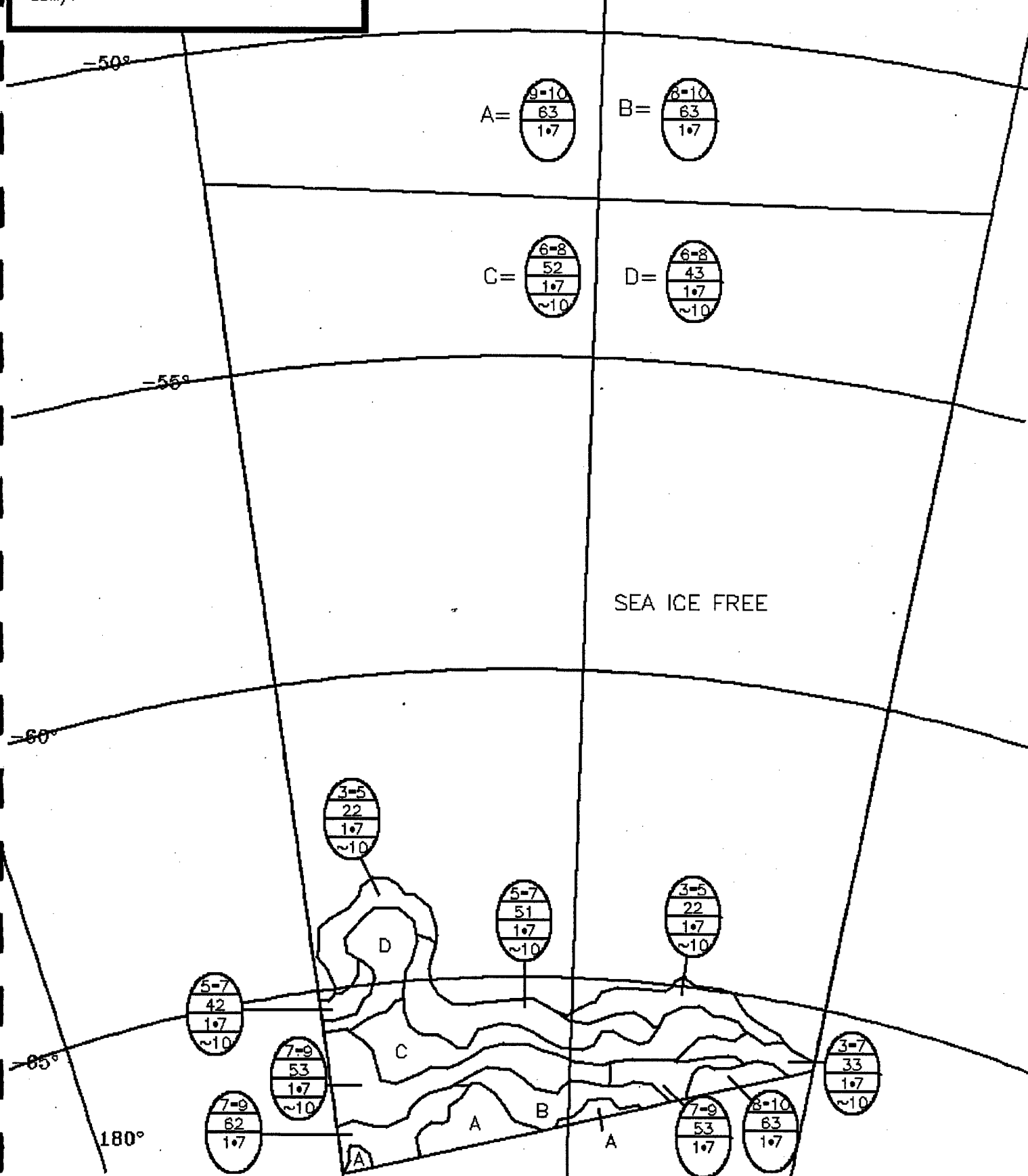
9 DEC

9 DEC

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

-160°

△ = ICEBERG



ROSS SEA ICE ANALYSIS (2 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK: 08 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT _____

RECONNAISSANCE _____

DMSP OLS _____

AVHRR ----- 09 DEC 97

ESTIMATED ----- 09 DEC 97

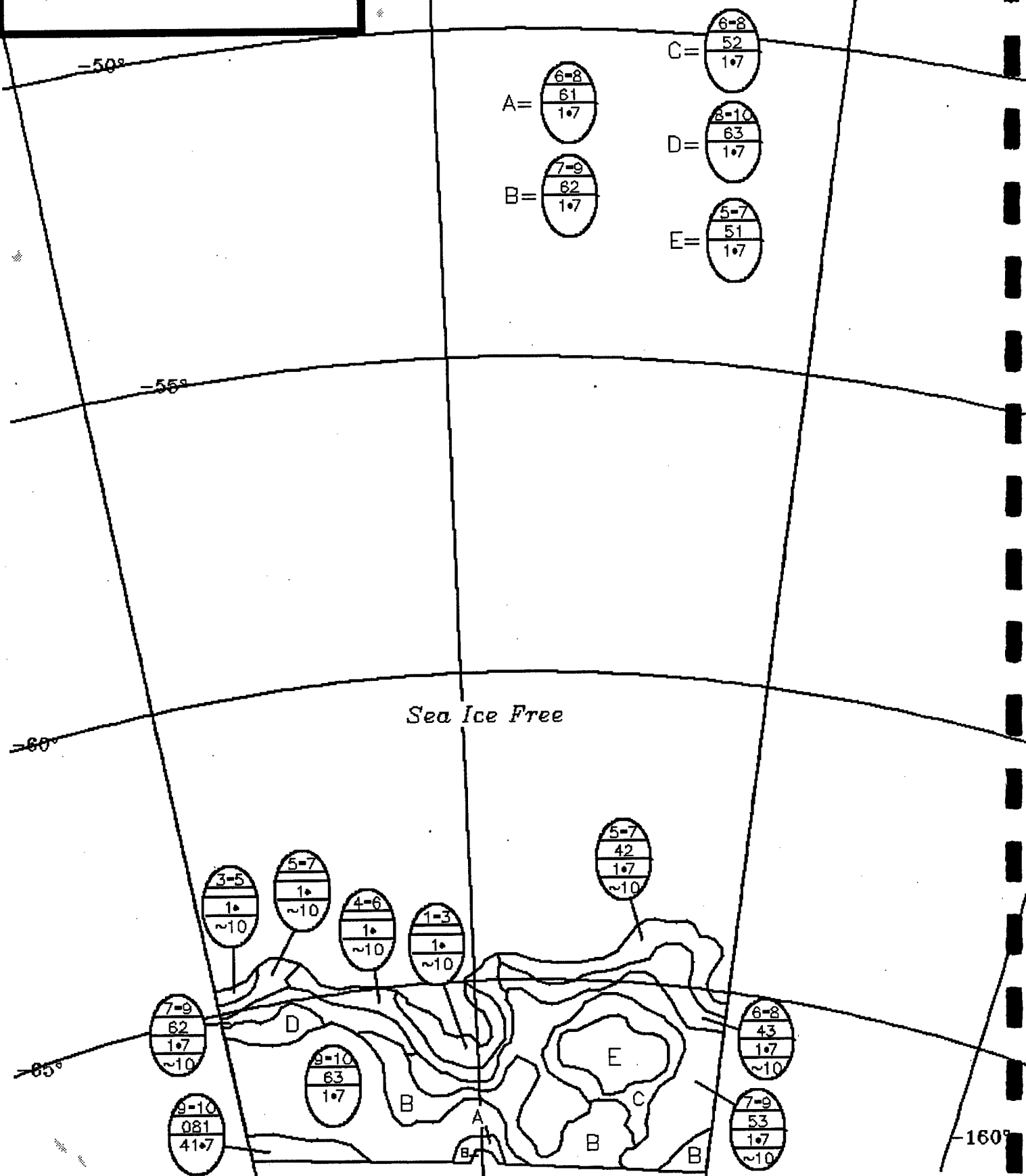
SSM/I

180°

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

-170°

△ = ICEBERG



A = $\frac{8-10}{81}$
1.7

B = $\frac{8-10}{63}$
1.7

Sea Ice Free

△ = ICEBERG

ROSS SEA ICE ANALYSIS (3 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK: 08 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT _____

RECONNAISSANCE _____

DMSF OLS _____

AVHRR _____ 09 DEC 97

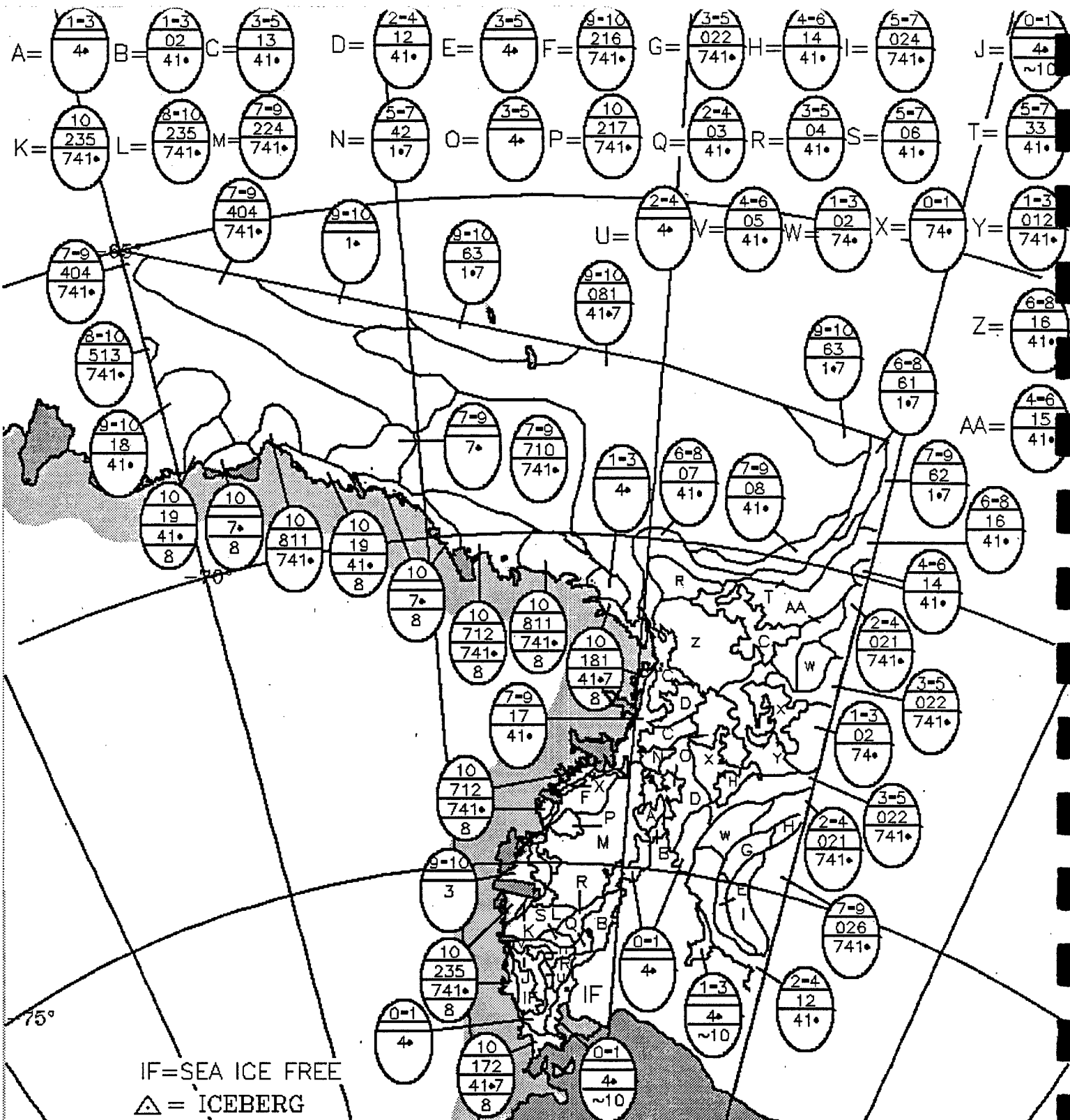
ESTIMATED ----- 09 DEC 97

SSM/I 09 DEC 97

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLING SYSTEM AS
SBERG01.TIF

160°

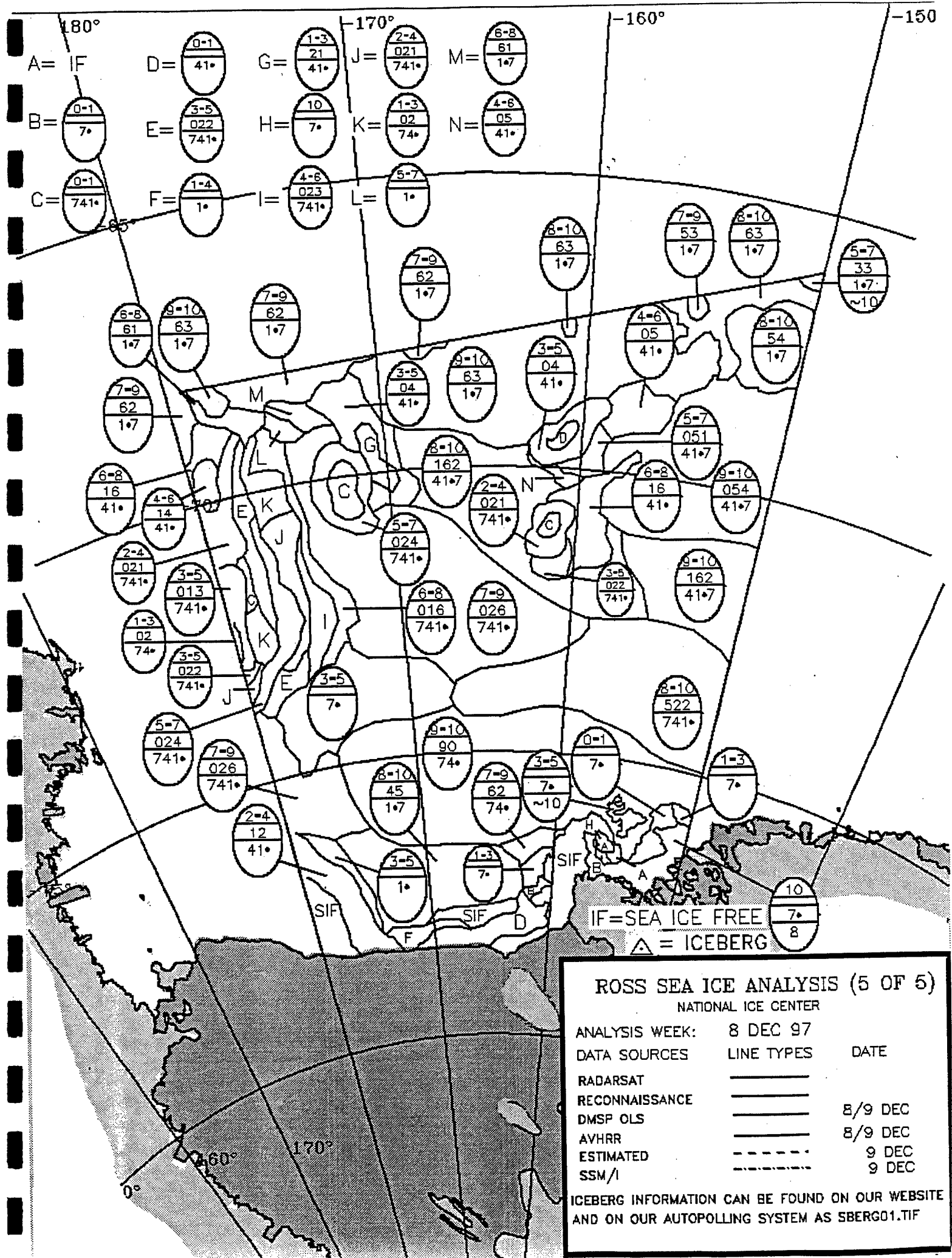
180°



ROSS SEA ICE ANALYSIS (4 OF 5) NATIONAL ICE CENTER

ANALYSIS WEEK: 08 DEC 97
 DATA SOURCES LINE TYPES DATE
 RADARSAT _____
 RECONNAISSANCE _____
 DMSP OLS _____ 07-08 DEC
 AVHRR _____ 08-09 DEC
 ESTIMATED ----- 09 DEC
 SSM/I 09 DEC

ICEBERG INFORMATION CAN BE FOUND ON OUR
 WEBSITE AND ON OUR AUTOPOLING SYSTEM AS
 SBERG01.TIF



ROSS SEA ICE ANALYSIS (5 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK:	8 DEC 97	DATE
DATA SOURCES	LINE TYPES	
RADARSAT	=====	
RECONNAISSANCE	=====	
DMSP OLS	=====	8/9 DEC
AVHRR	=====	8/9 DEC
ESTIMATED	-----	9 DEC
SSM/I	-----	9 DEC

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE
AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF

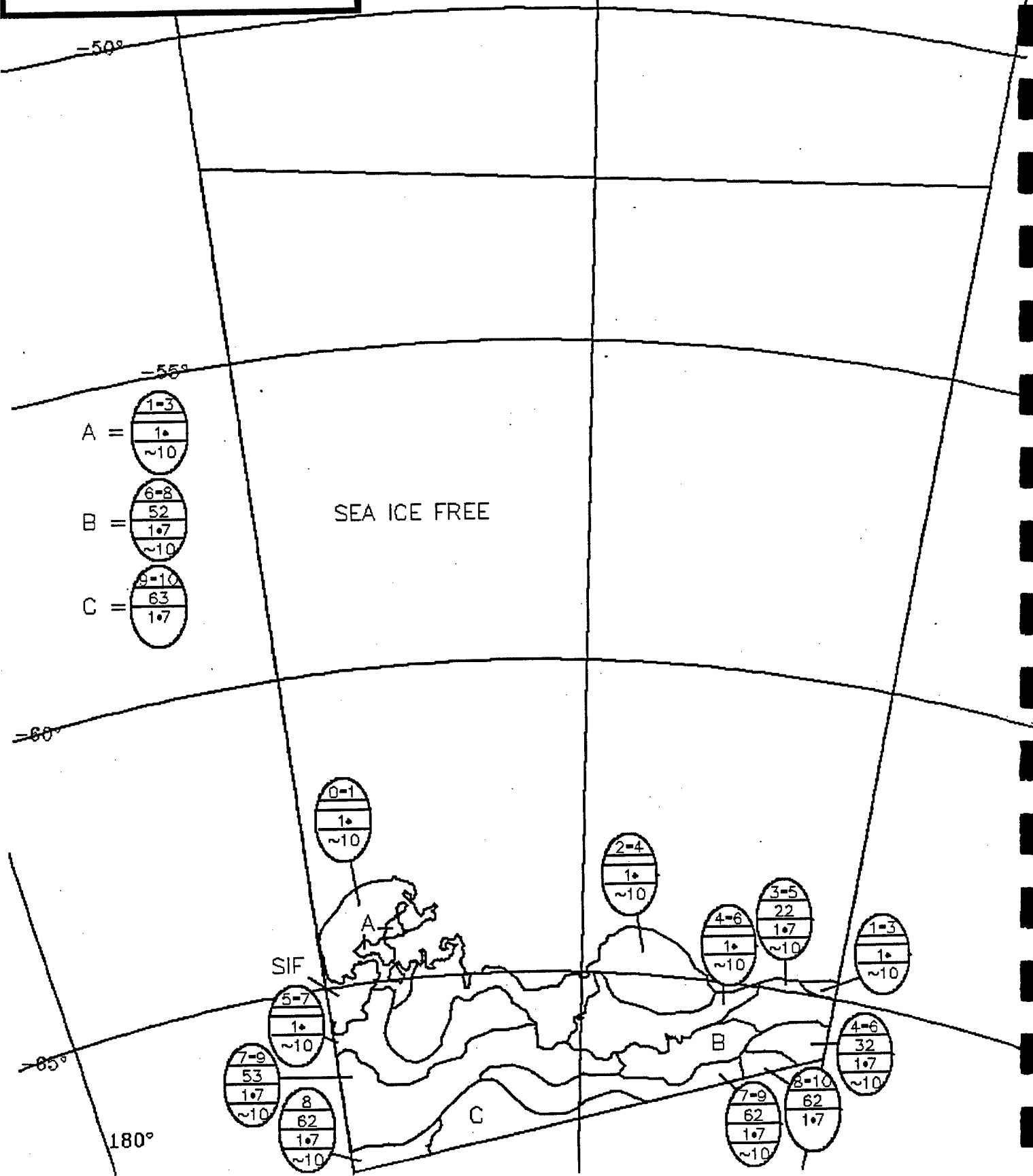
ROSS SEA ICE ANALYSIS (1 OF 5)
NATIONAL ICE CENTER

ANALYSIS WEEK: 15-19 DEC 97

DATA SOURCES	LINE TYPES	DATE
RADARSAT	_____	
RECONNAISSANCE	_____	
DMSP OLS	_____	15 DEC
AVHRR	_____	15 DEC
ESTIMATED	-----	17 DEC
SSM/I	-----	16 DEC

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG



ROSS SEA ICE ANALYSIS (2 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK: 15-19 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSF OLS

AVHRR

ESTIMATED

SSM/I

15 DEC

17 DEC

16 DEC

180°

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG

170°

-50°

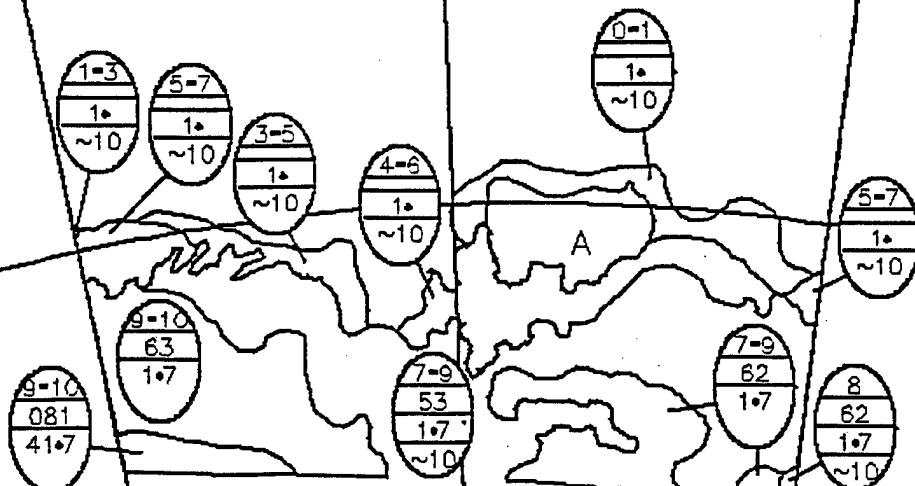
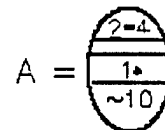
-55°

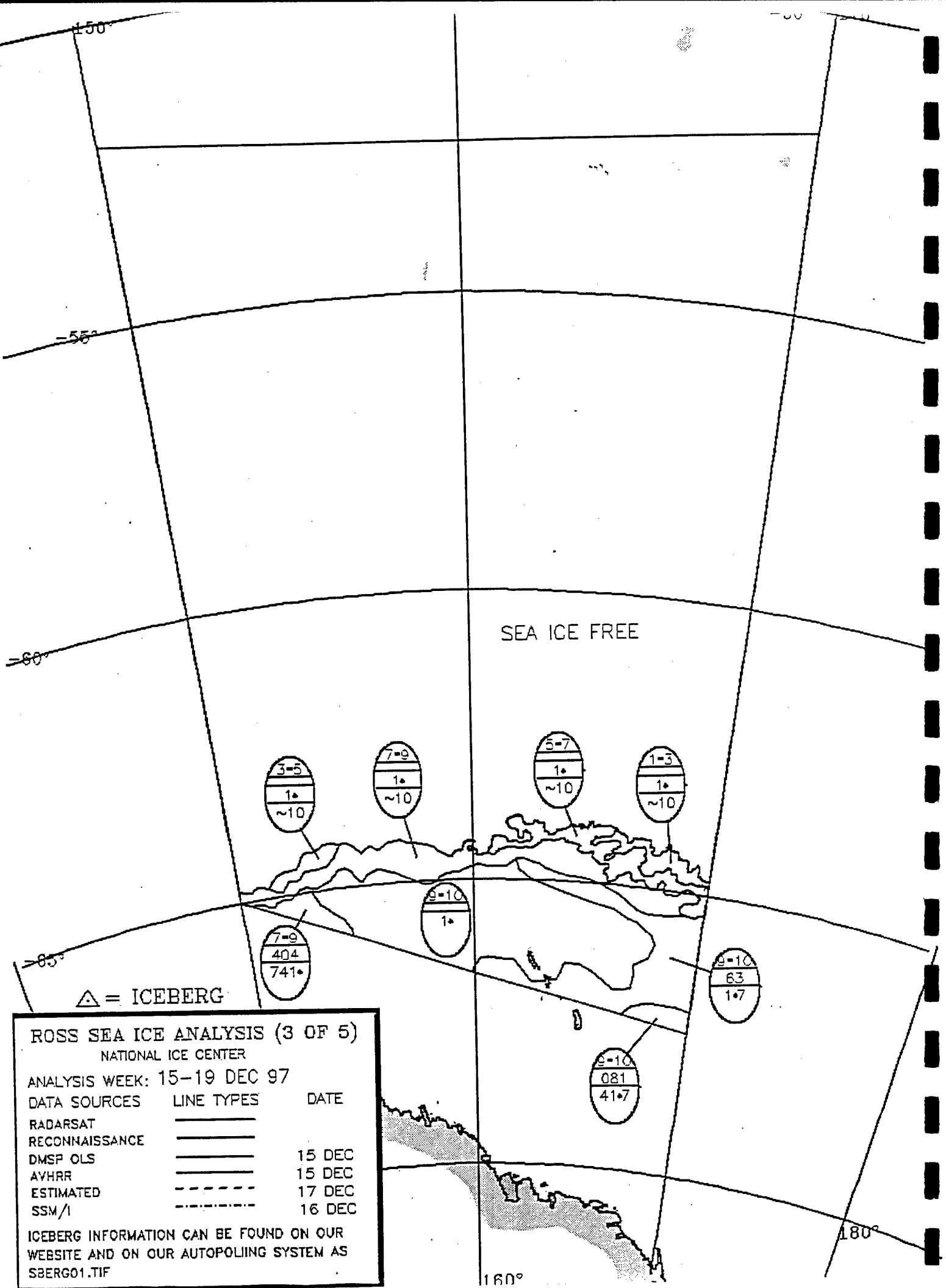
SEA ICE FREE

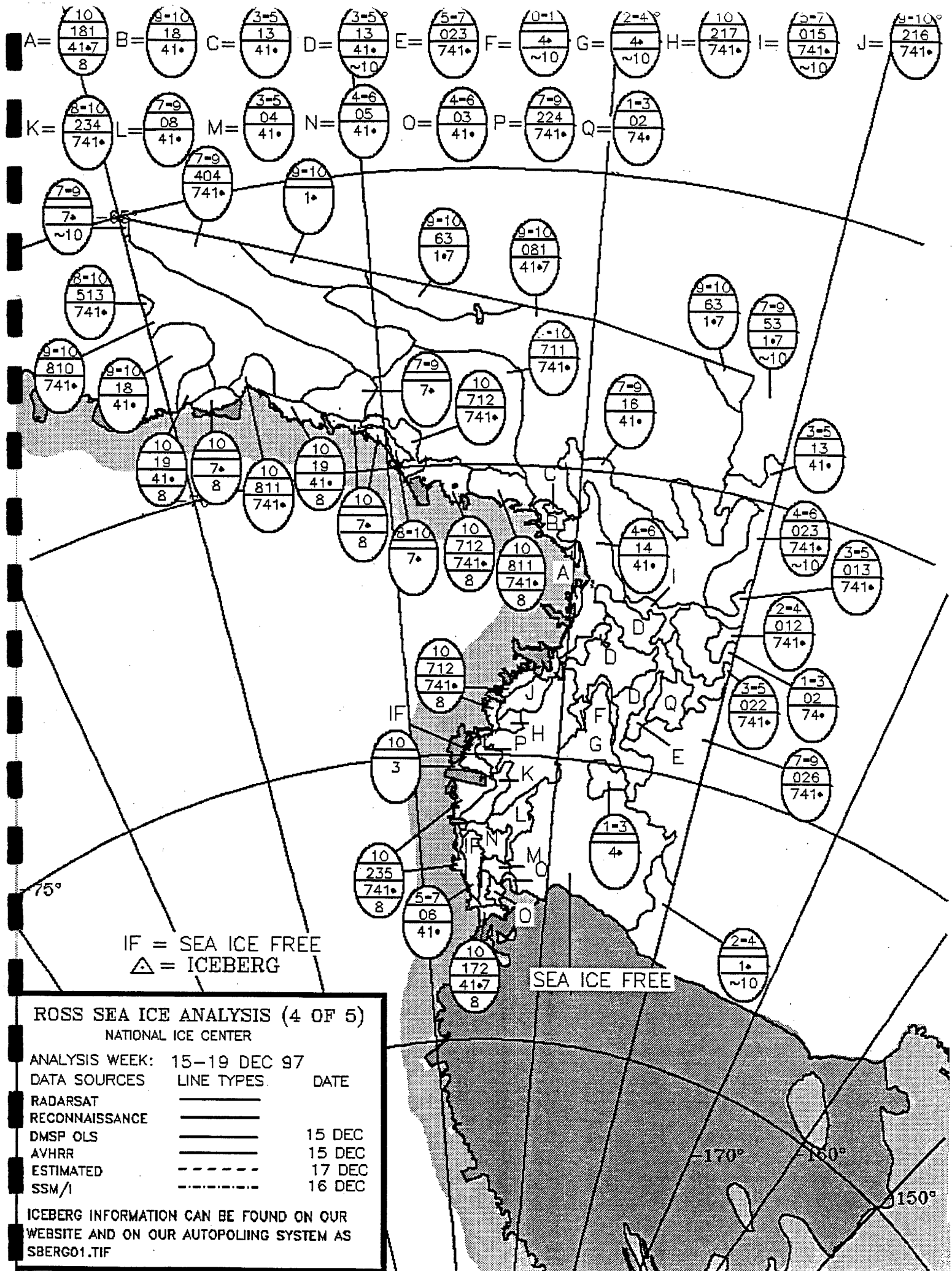
-60°

-65°

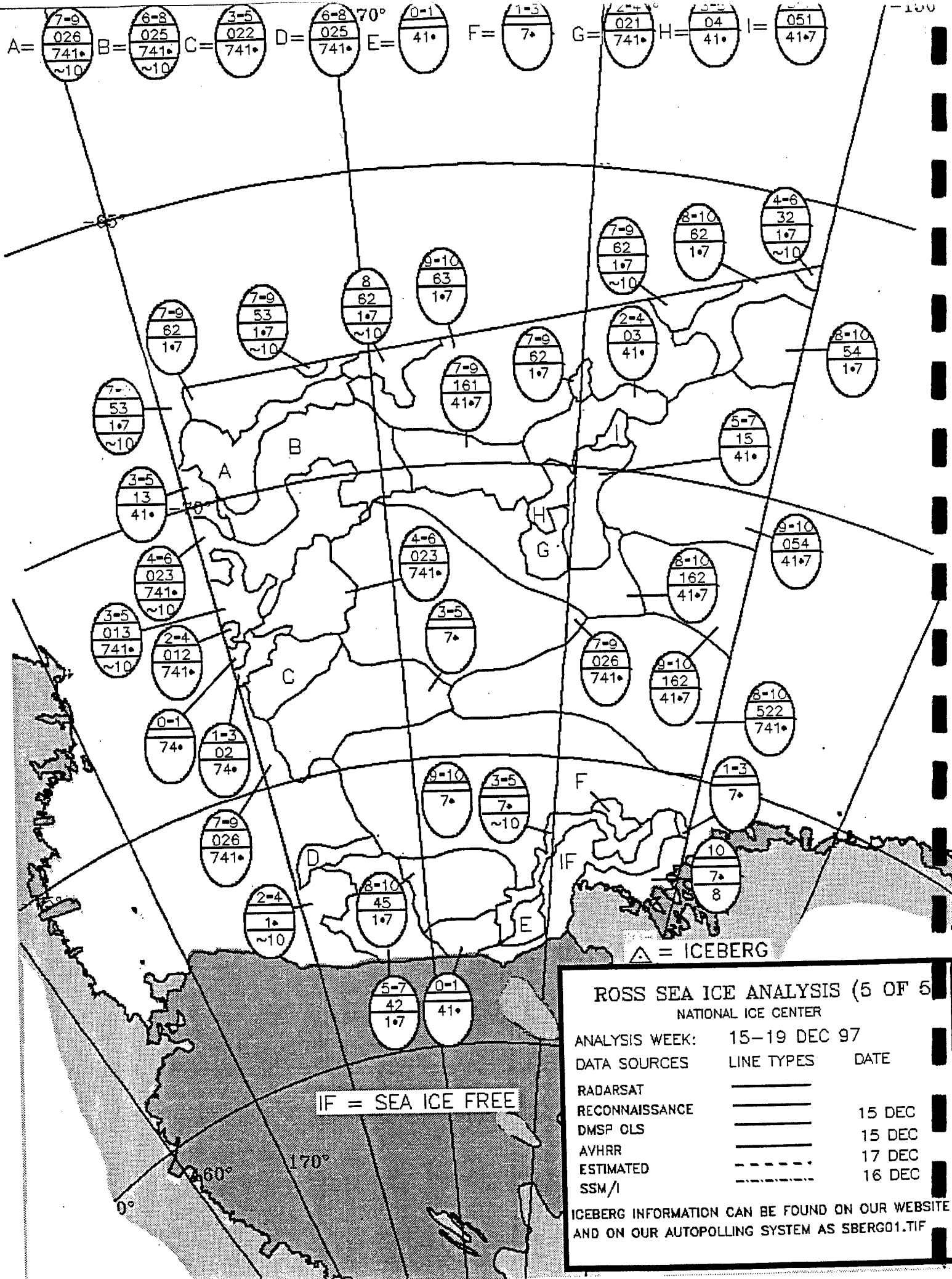
-160°







A= $\frac{7-9}{026}$ $\frac{6-8}{025}$ $\frac{3-5}{022}$ D= $\frac{6-8}{025}$ E= $\frac{0-1}{41\bullet}$ F= $\frac{1-3}{7\bullet}$ G= $\frac{021}{741\bullet}$ H= $\frac{04}{41\bullet}$ I= $\frac{051}{41\bullet7}$



ROSS SEA ICE ANALYSIS (5 OF 5) NATIONAL ICE CENTER

ANALYSIS WEEK: 15-19 DEC 97
DATA SOURCES LINE TYPES DATE
RADARSAT _____
RECONNAISSANCE _____ 15 DEC
DMSP OLS _____ 15 DEC
AVHRR _____ 17 DEC
ESTIMATED - - - - - 16 DEC
SSM/I - - - - -

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE
AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF

ROSS SEA ICE ANALYSIS (1 OF 5)
NATIONAL ICE CENTER

ANALYSIS WEEK: 22-26 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

AVHRR

ESTIMATED

SSM/I

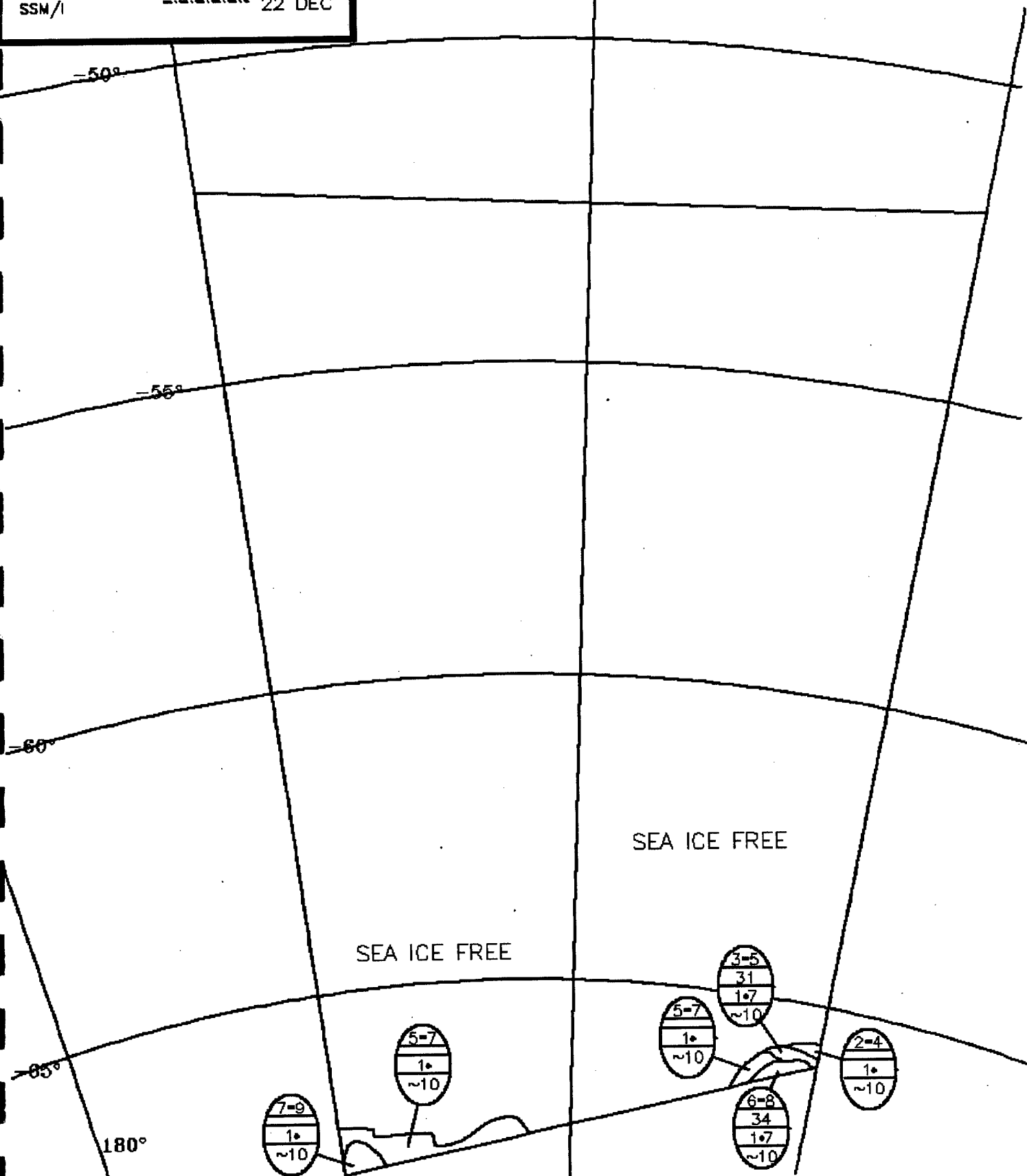
----- 23 DEC

----- 22 DEC

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

-160°

△ = ICEBERG



ROSS SEA ICE ANALYSIS (2 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK: 22-26 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT _____

RECONNAISSANCE _____

DMSP OLS _____

AVHRR ----- 23 DEC

ESTIMATED - - - - - 22 DEC

SSM/I

180°

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG

-170°

-50°

-55°

-60°

SEA ICE FREE

SEA ICE FREE

A = $\frac{6-8}{61}$
1.7
~10

B = $\frac{5-7}{60}$
1.7
~10

C = $\frac{3-5}{04}$
41.0
~10

D = $\frac{7-9}{08}$
41.0
~10

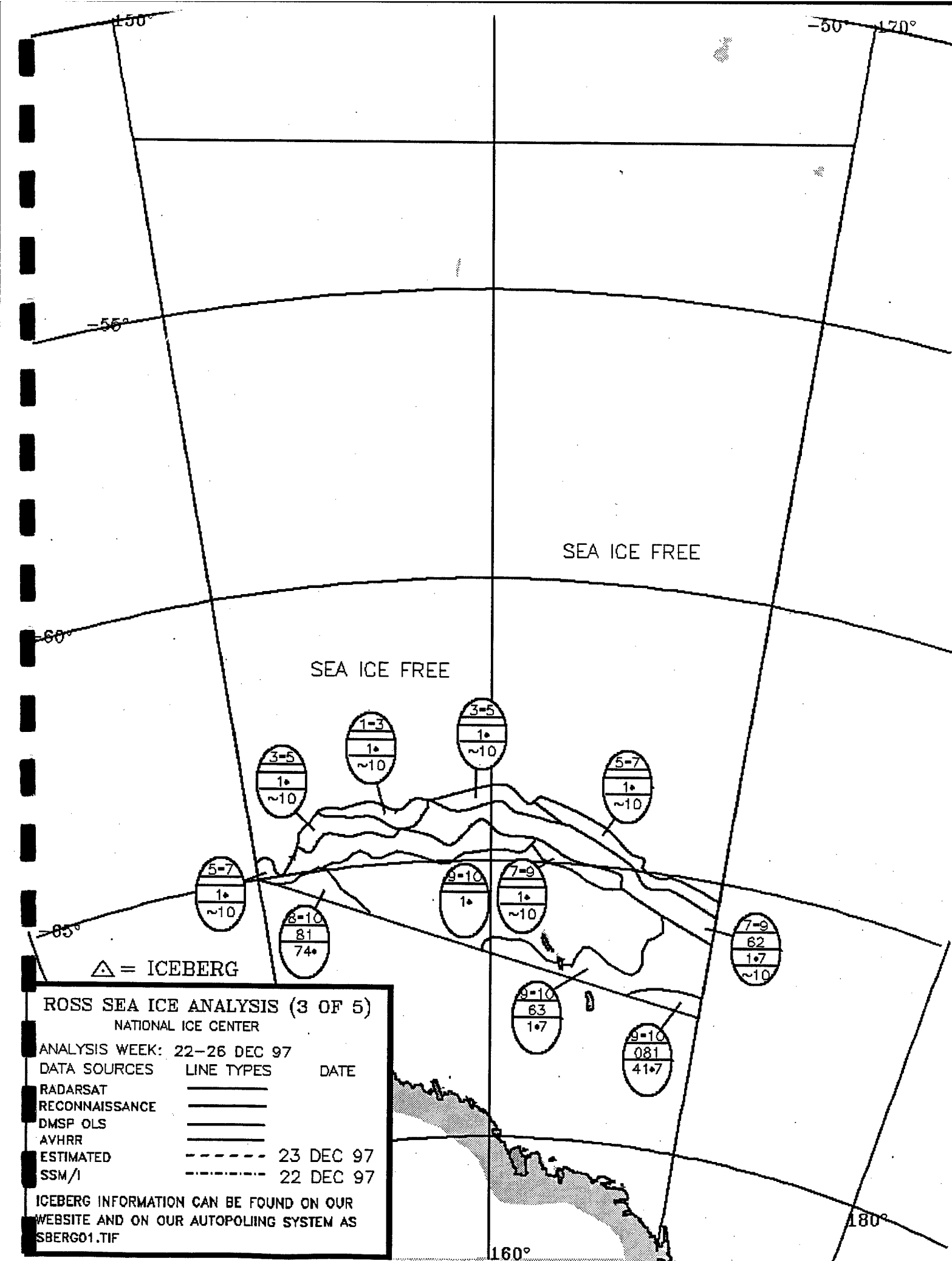
E = $\frac{9-10}{081}$
41.7

F = $\frac{1-3}{1.0}$
~10

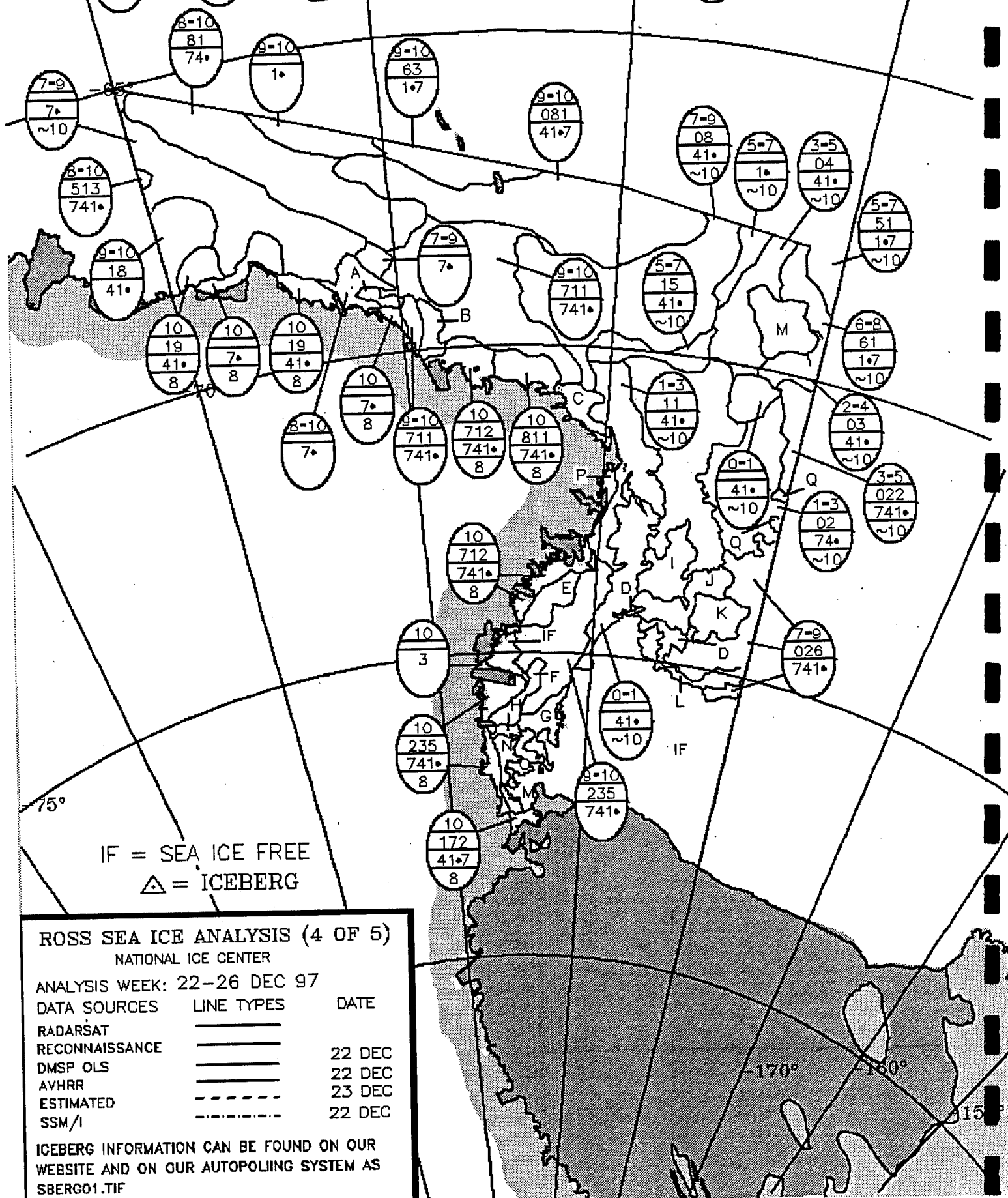
G = $\frac{3-5}{1.0}$
~10

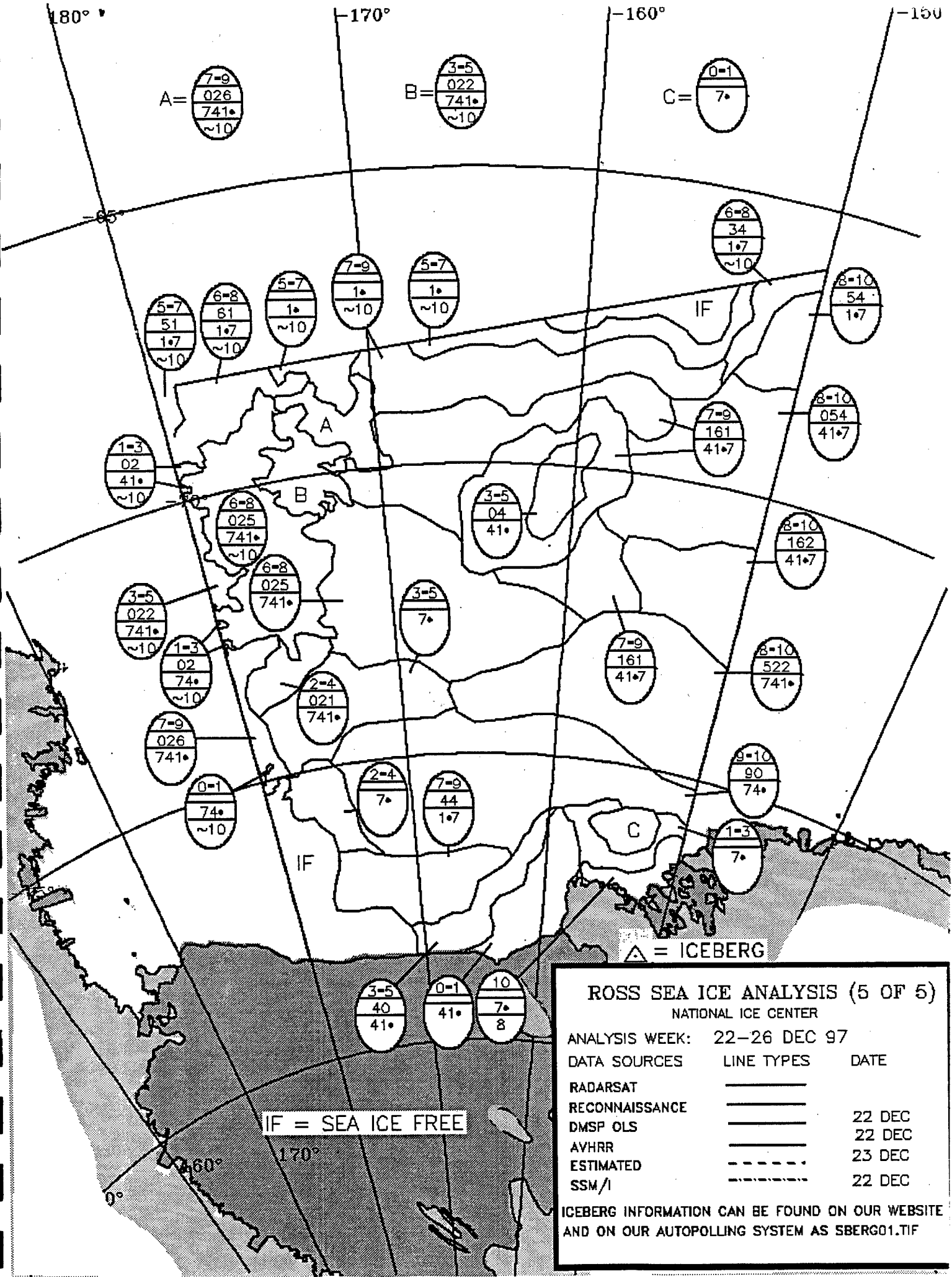
-65°

-160°



A = $\frac{7-9}{7\bullet}$ B = $\frac{10}{712}$ C = $\frac{9-10}{18}$ D = $\frac{3-5}{022}$ E = $\frac{9-10}{216}$ F = $\frac{8-10}{234}$ G = $\frac{7-9}{08}$ H = $\frac{7-9}{233}$ I = $\frac{1-3}{11}$ J = $\frac{4-6}{023}$
 K = $\frac{5-7}{024}$ L = $\frac{0-1}{74\bullet}$ M = $\frac{0-1}{41\bullet}$ N = $\frac{5-7}{06}$ O = $\frac{1-3}{02}$ P = $\frac{10}{181}$ Q = $\frac{6-8}{025}$





ROSS SEA ICE ANALYSIS (5 OF 5)

NATIONAL ICE CENTER

ANALYSIS WEEK: 22-26 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT	=====	
RECONNAISSANCE	=====	22 DEC
DMSP OLS	=====	22 DEC
AVHRR	=====	23 DEC
ESTIMATED	-----	
SSM/I	-----	22 DEC

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE
AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF

AMUNDSEN ICE ANALYSIS (1 OF 7)

NATIONAL ICE CENTER

ANALYSIS DATE: WEEK OF 27 OCT 97

DATA SOURCES

DATE

RECONNAISSANCE.....

SHIP.....

SSM/I.....

VISIBLE/INFRARED.....

RADAR.....

SEA ICE FREE

SEA ICE FREE

7-9
044
1-73

9-10
540
1-73

8-10
540
731

9-10
360
1-73

5-7
150
1-73

3-5
31
73

-140°

-130°

-55°

-60°

-65°

AMUNDSEN SEA ICE ANALYSIS (4 OF 7)

NATIONAL ICE CENTER

ANALYSIS DATE: WEEK OF 27 OCT 97

DATA SOURCES

DATE

RECONNAISSANCE.....

SHIP.....

SSM/I..... 27 OCT 97

VISIBLE/INFRARED.....

RADAR.....

$$A = \frac{10}{\frac{423}{741 \cdot 7}}$$

$$E = \frac{10}{\frac{7 \cdot 8}{8}}$$

$$B = \frac{10}{\frac{424}{741 \cdot 8}}$$

$$F = \frac{8-10}{\frac{252}{1 \cdot 73}}$$

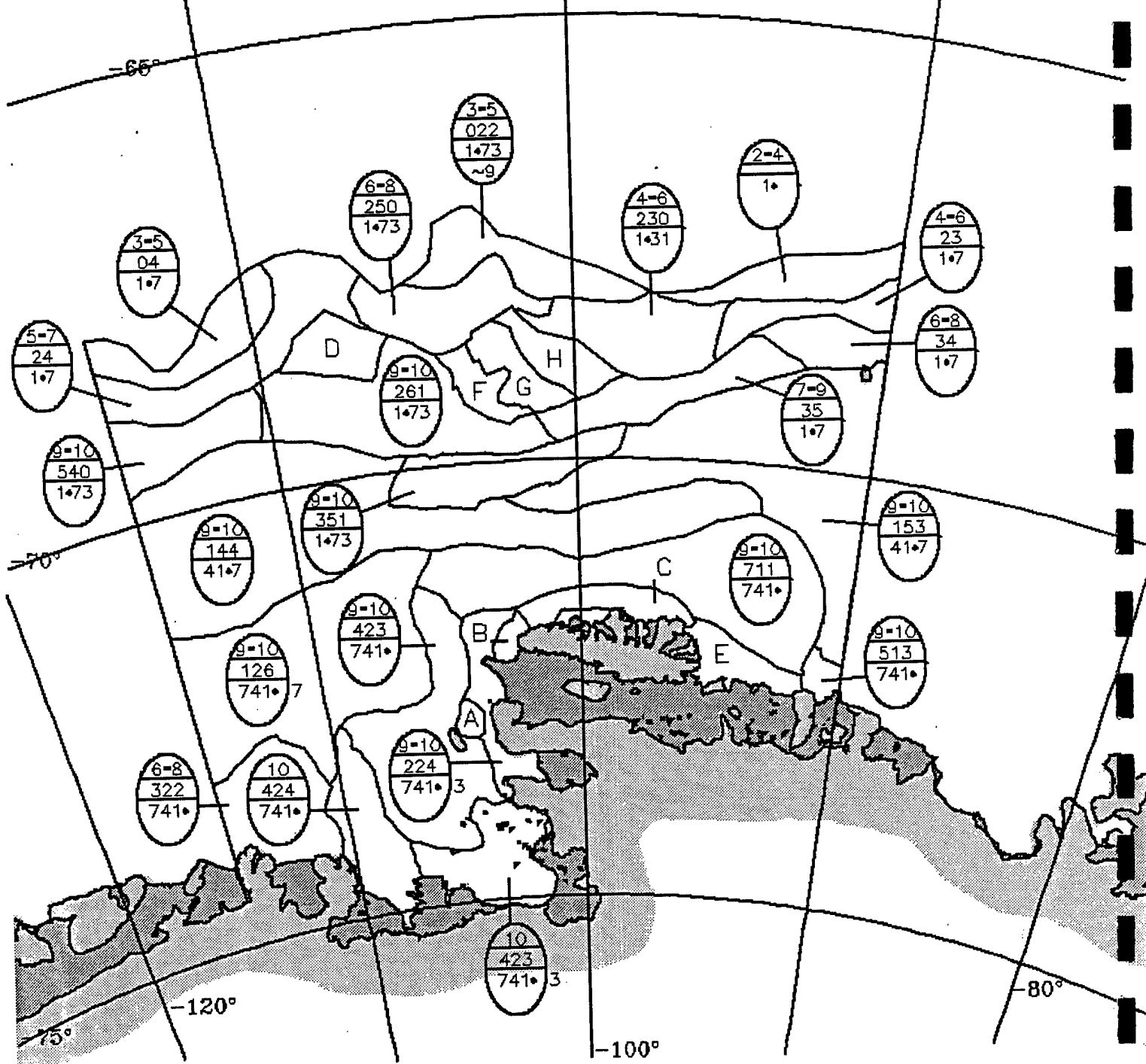
$$C = \frac{10}{\frac{204}{74 \cdot 3 \cdot 1}}$$

$$G = \frac{7-9}{\frac{251}{1 \cdot 73}}$$

$$D = \frac{7-9}{\frac{260}{1 \cdot 73}}$$

$$H = \frac{5-7}{\frac{213}{1 \cdot 73}}$$

SEA ICE FREE



AMUNDSEN SEA ICE ANALYSIS (5 OF 7)

NATIONAL ICE CENTER

ANALYSIS DATE: WEEK OF 27 OCT 97

DATA SOURCES

DATE

RECONNAISSANCE.....

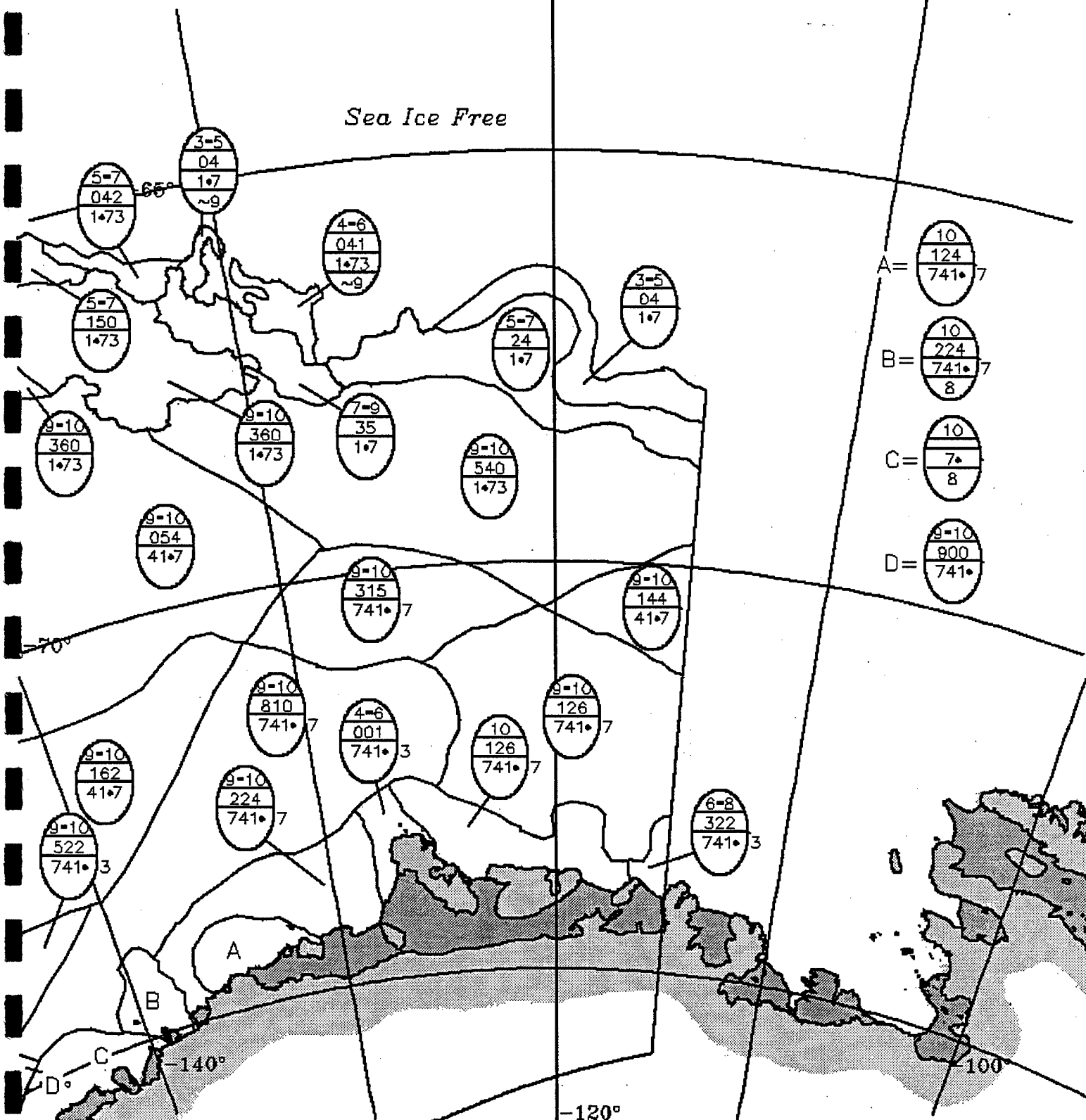
SHIP.....

SSM/I.....

VISIBLE/INFRARED.....

RADAR.....

Sea Ice Free



AMUNDSEN SEA ICE ANALYSIS (1 OF 7)

NATIONAL ICE CENTER

ANALYSIS WEEK: 03 NOV 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

AVHRR

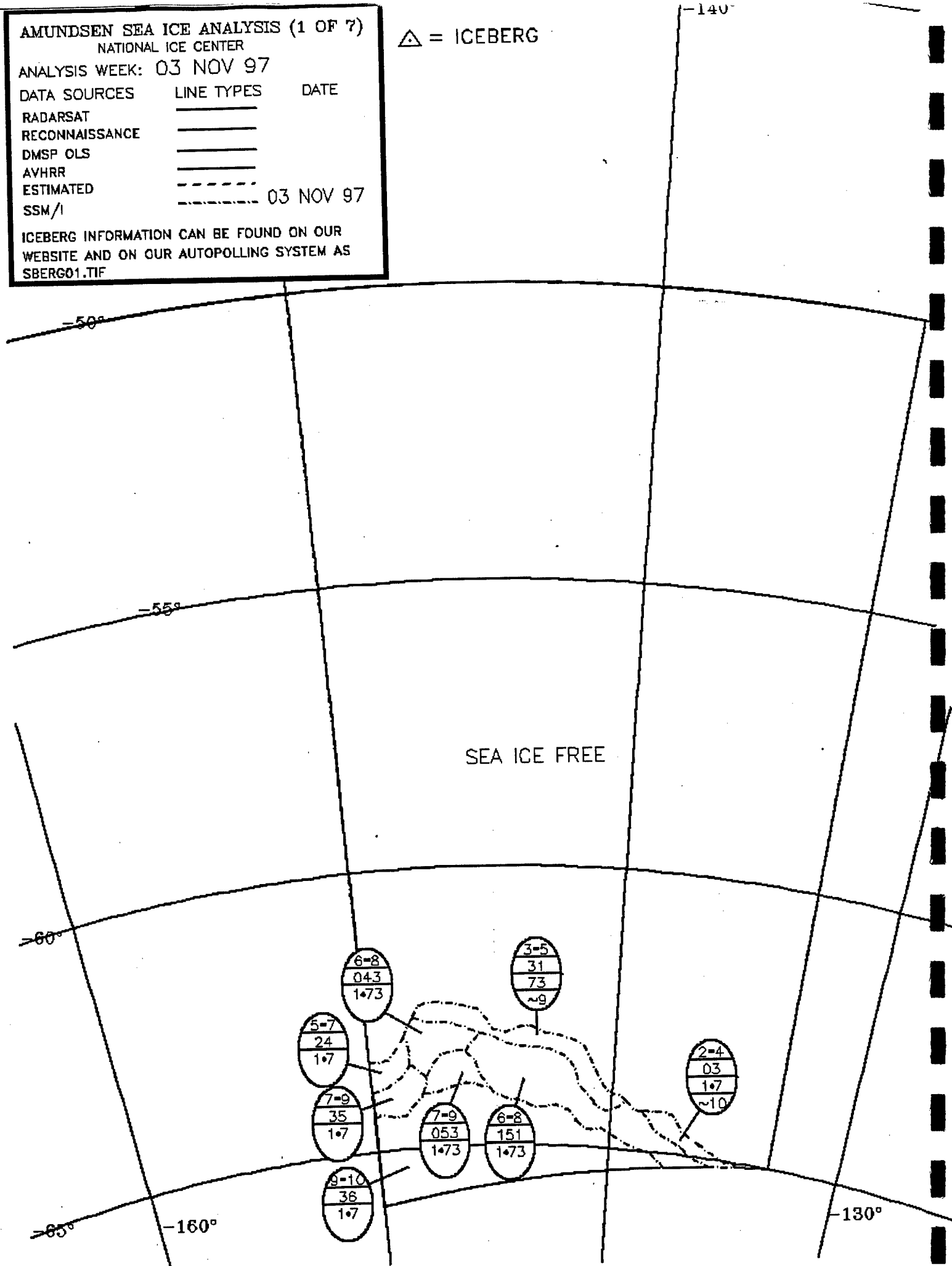
ESTIMATED

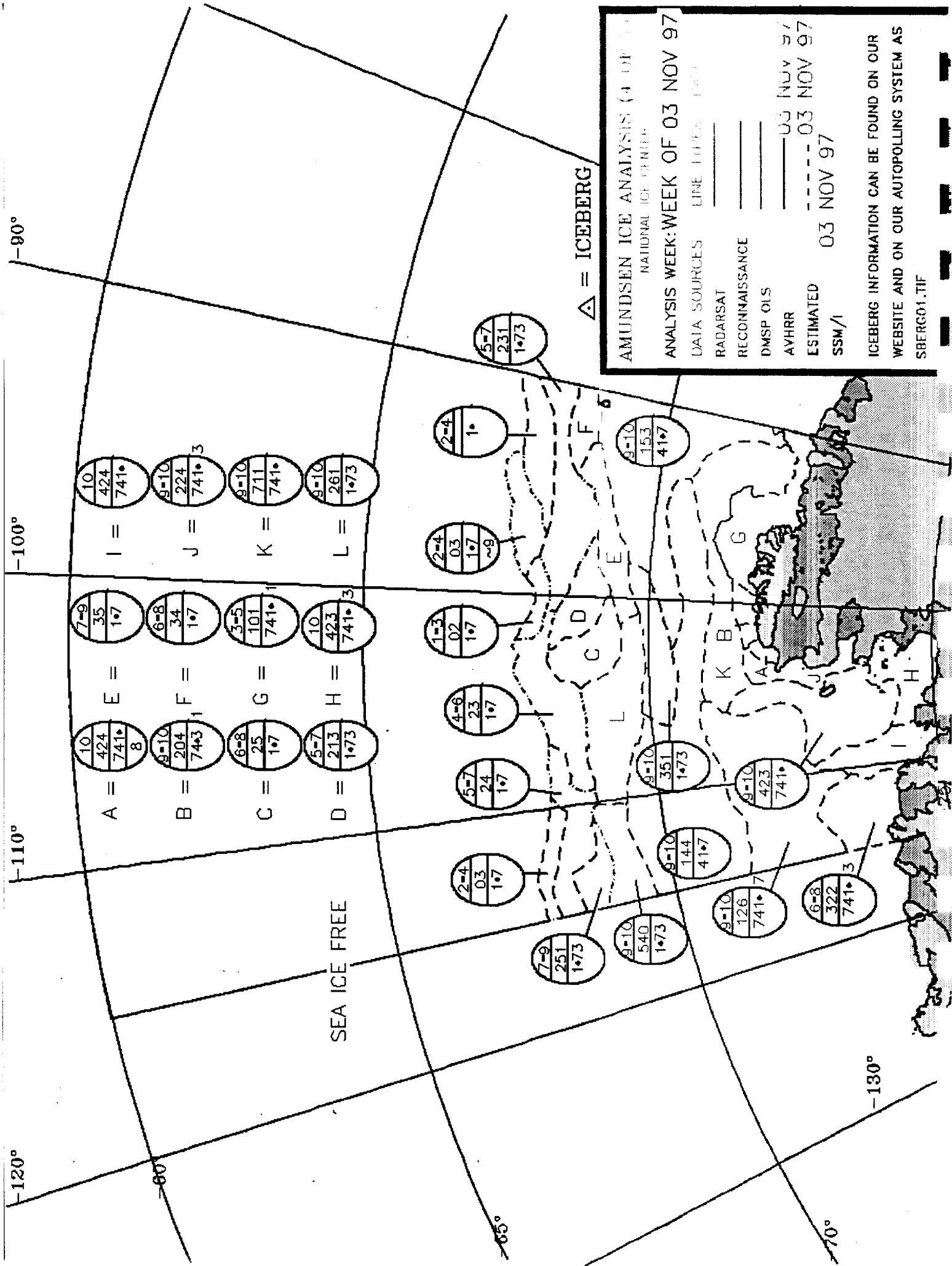
SSM/I

03 NOV 97

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG





AMUNDSEN SEA ICE ANALYSIS (5 OF 7)

NATIONAL ICE CENTER

ANALYSIS WEEK: 03 NOV 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

AVHRR

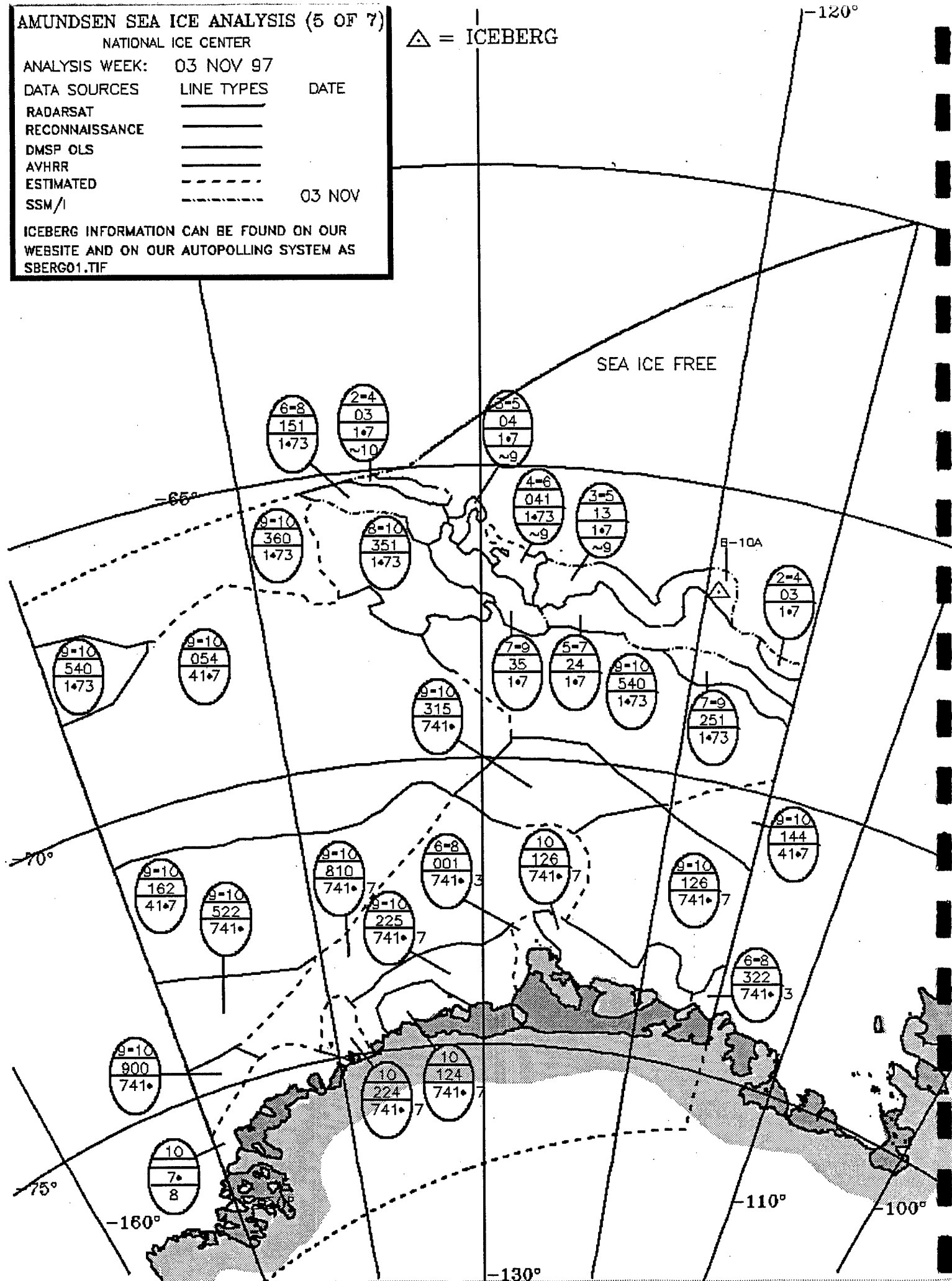
ESTIMATED

SSM/I

03 NOV

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG



AMUNDSEN SEA ICE ANALYSIS (1 OF 7)
NATIONAL ICE CENTER

△ = ICEBERG

ANALYSIS WEEK: 10 NOV 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

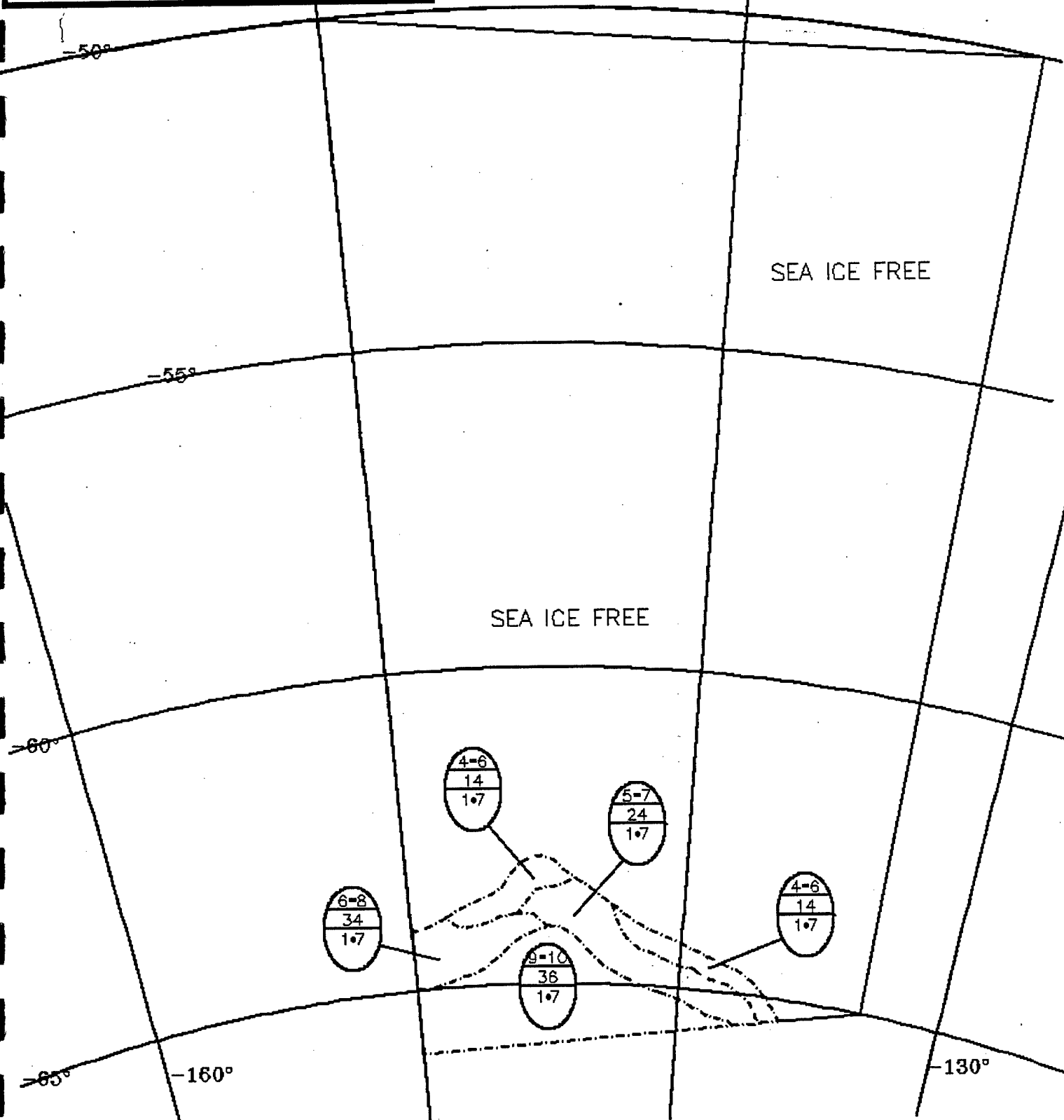
AVHRR

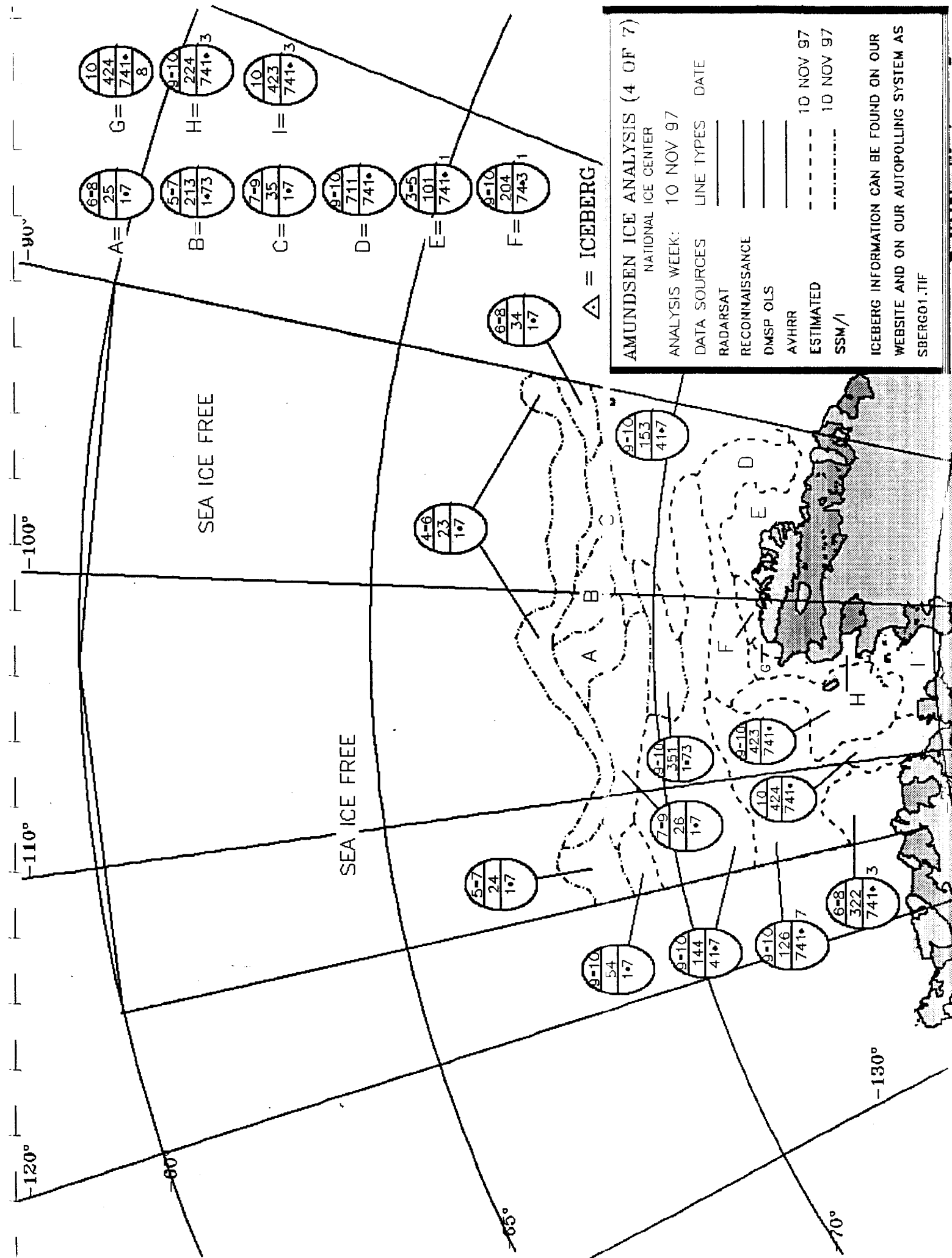
ESTIMATED

SSM/I

10 NOV 97

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF





AMUNDSEN ICE ANALYSIS (4 OF 7)

NATIONAL ICE CENTER

ANALYSIS WEEK: 10 NOV 97

DATA SOURCES: _____

LINE TYPES: _____

DATE: _____

RADARSAT: _____

RECONNAISSANCE: _____

DMSP OLS: _____

AVHRR: _____

ESTIMATED: 10 NOV 97

SSM/I: 10 NOV 97

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF

AMUNDSEN SEA ICE ANALYSIS (5 OF 7)

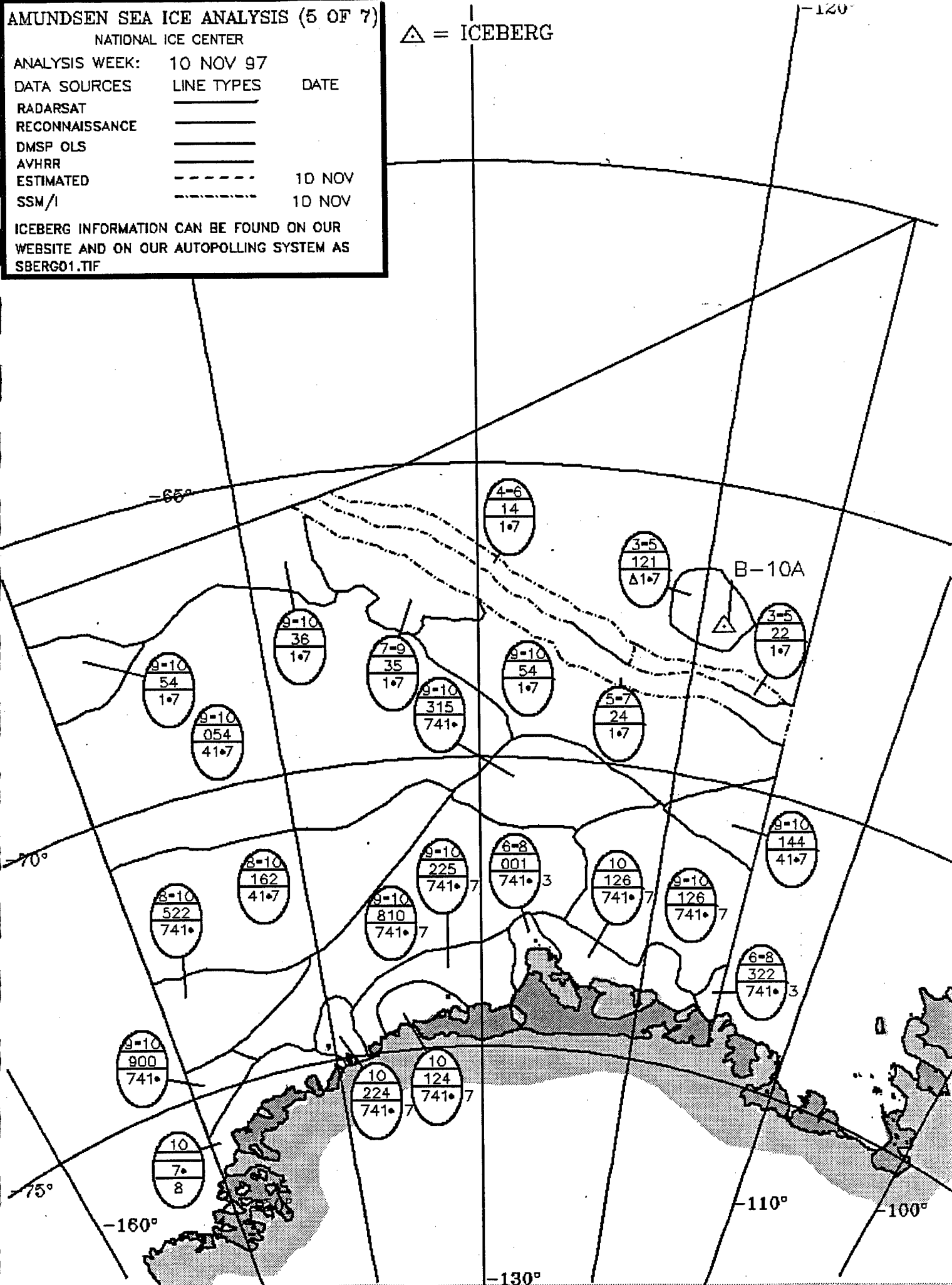
NATIONAL ICE CENTER

ANALYSIS WEEK: 10 NOV 97

DATA SOURCES	LINE TYPES	DATE
RADARSAT	_____	
RECONNAISSANCE	_____	
DMSP OLS	_____	
AVHRR	_____	
ESTIMATED	-----	10 NOV
SSM/I	-----	10 NOV

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG



AMUNDSEN SEA ICE ANALYSIS (1 OF 7)

NATIONAL ICE CENTER

△ = ICEBERG

ANALYSIS WEEK: 17 NOV 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

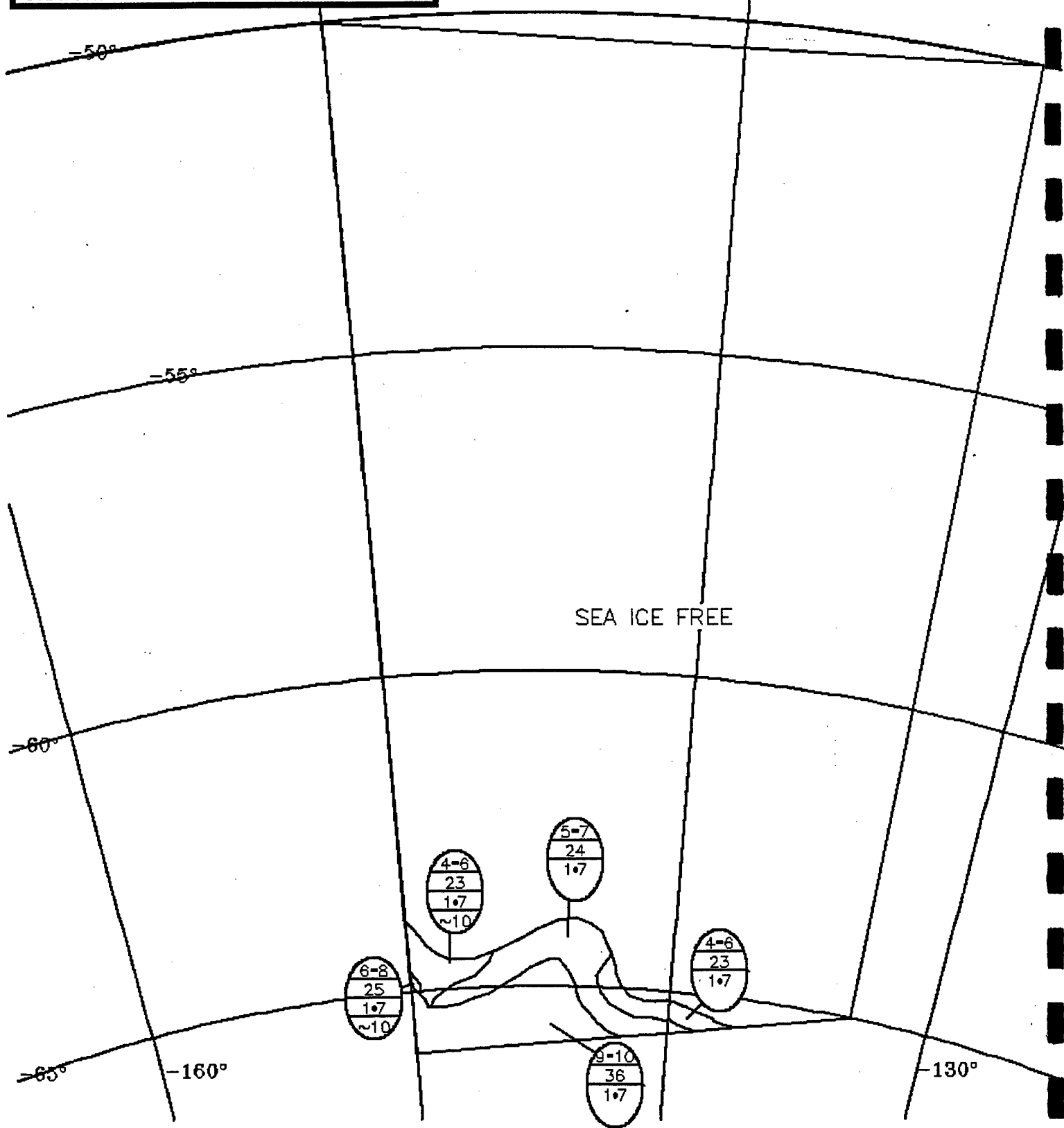
DMSP OLS

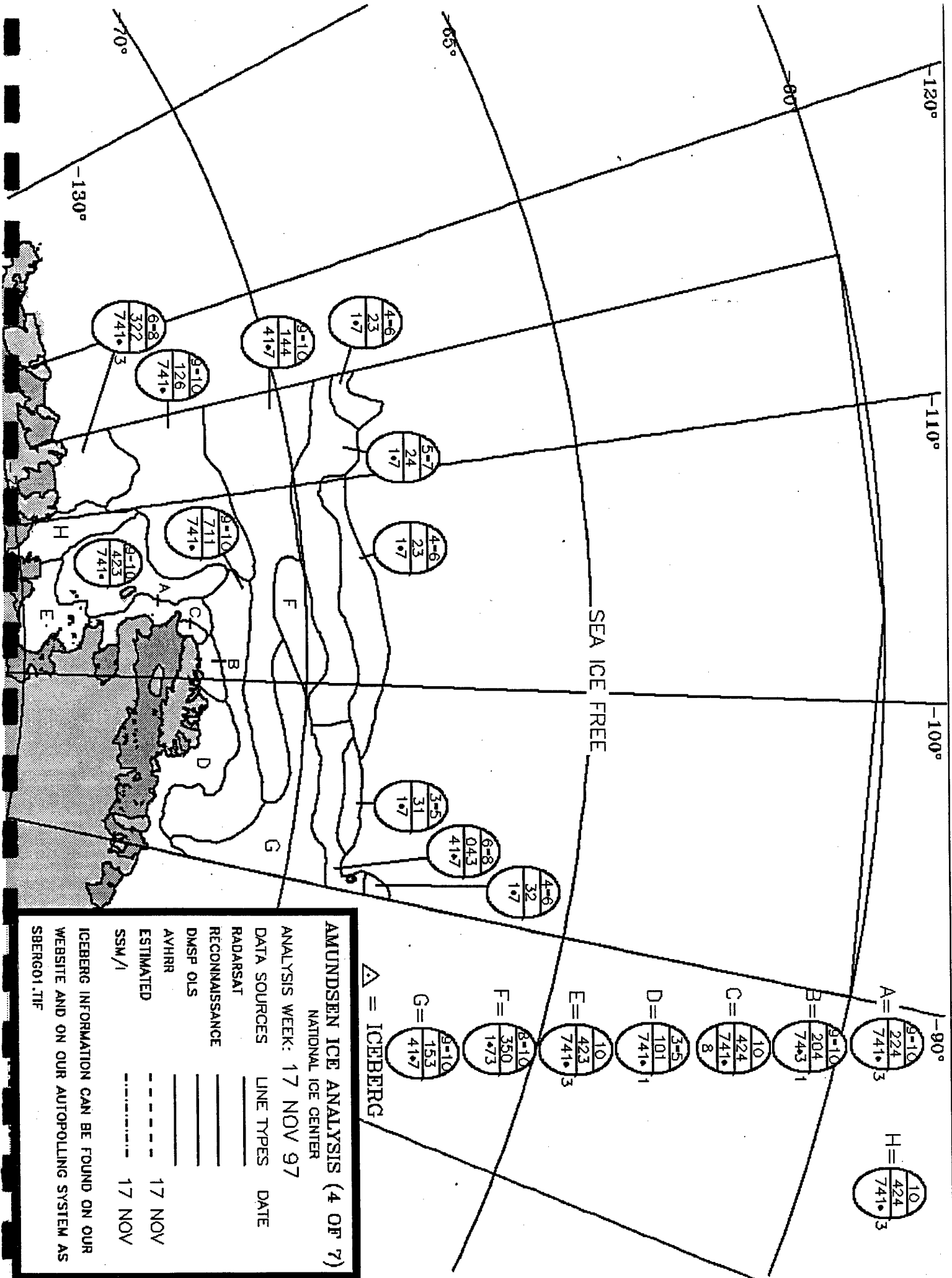
AVHRR

ESTIMATED ----- 17 NOV 97

SSM/I ----- 17 NOV 97

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF





△ = ICEBERG

AMUNDSEN ICE ANALYSIS (4 OF 7)

NATIONAL ICE CENTER

ANALYSIS WEEK: 17 NOV 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMP OLS

AVHRR

ESTIMATED

SSM/I

17 NOV
17 NOV

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

AMUNDSEN SEA ICE ANALYSIS (5 OF 7)

NATIONAL ICE CENTER

ANALYSIS WEEK: 17 NOV 97

DATA SOURCES

LINE TYPES

DATE _____

RADARSAT

RECONNAISSANCE

DMSF OLS

AVHRR

ESTIMATED

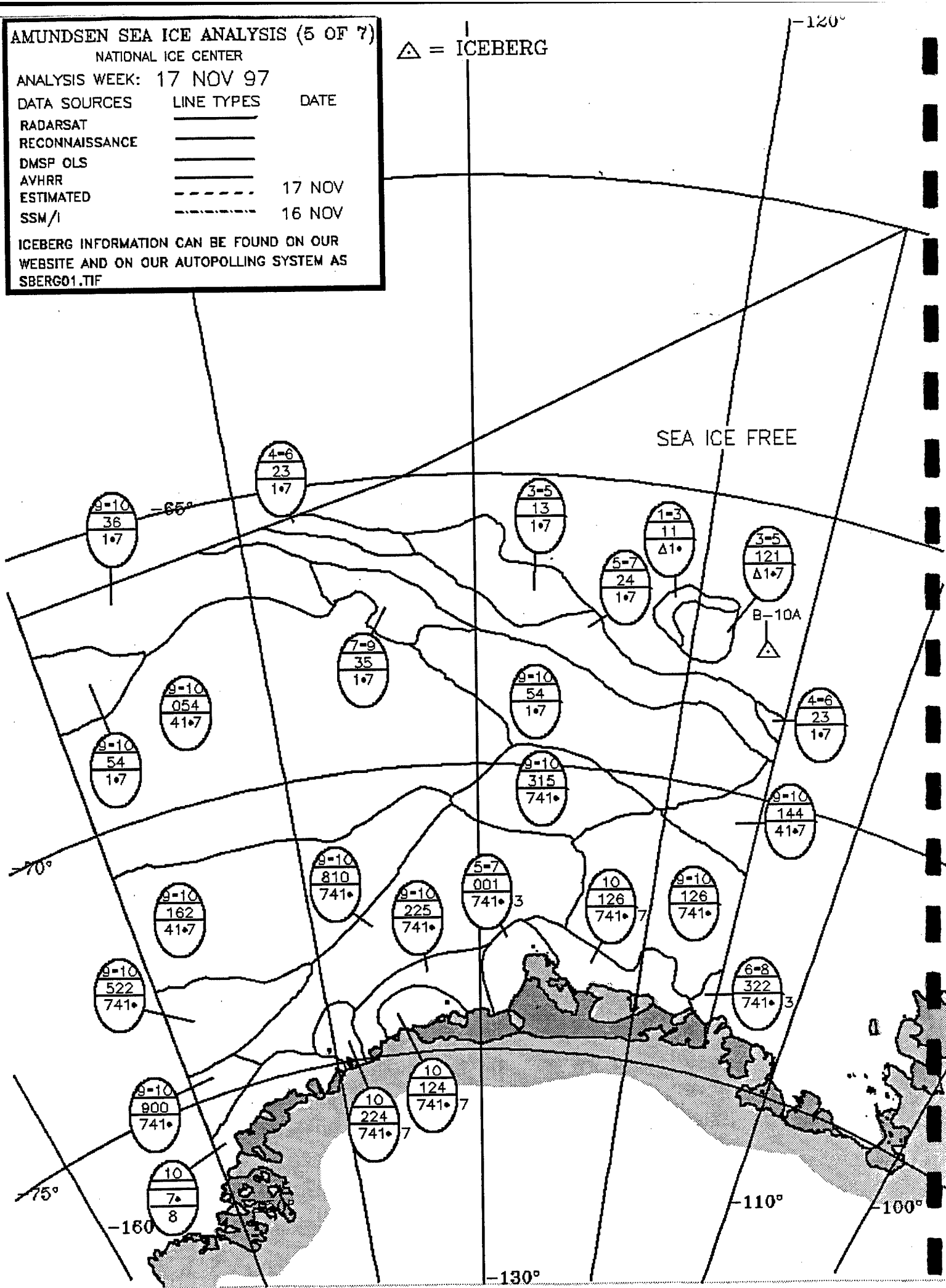
17 NOV

SSM/1

16 NOV

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

$\Delta = \text{ICEBERG}$



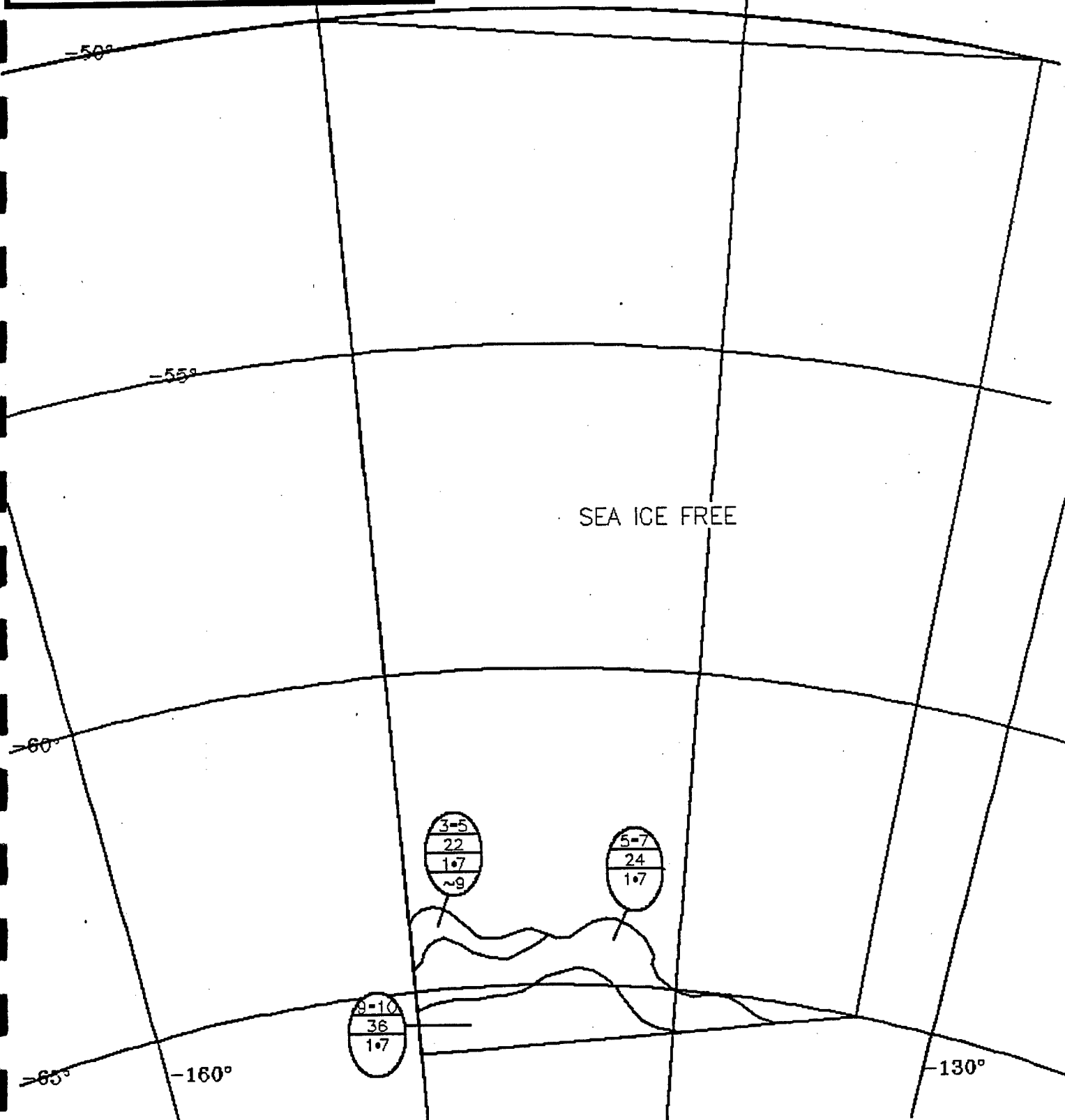
AMUNDSEN SEA ICE ANALYSIS (1 OF 7)
NATIONAL ICE CENTER

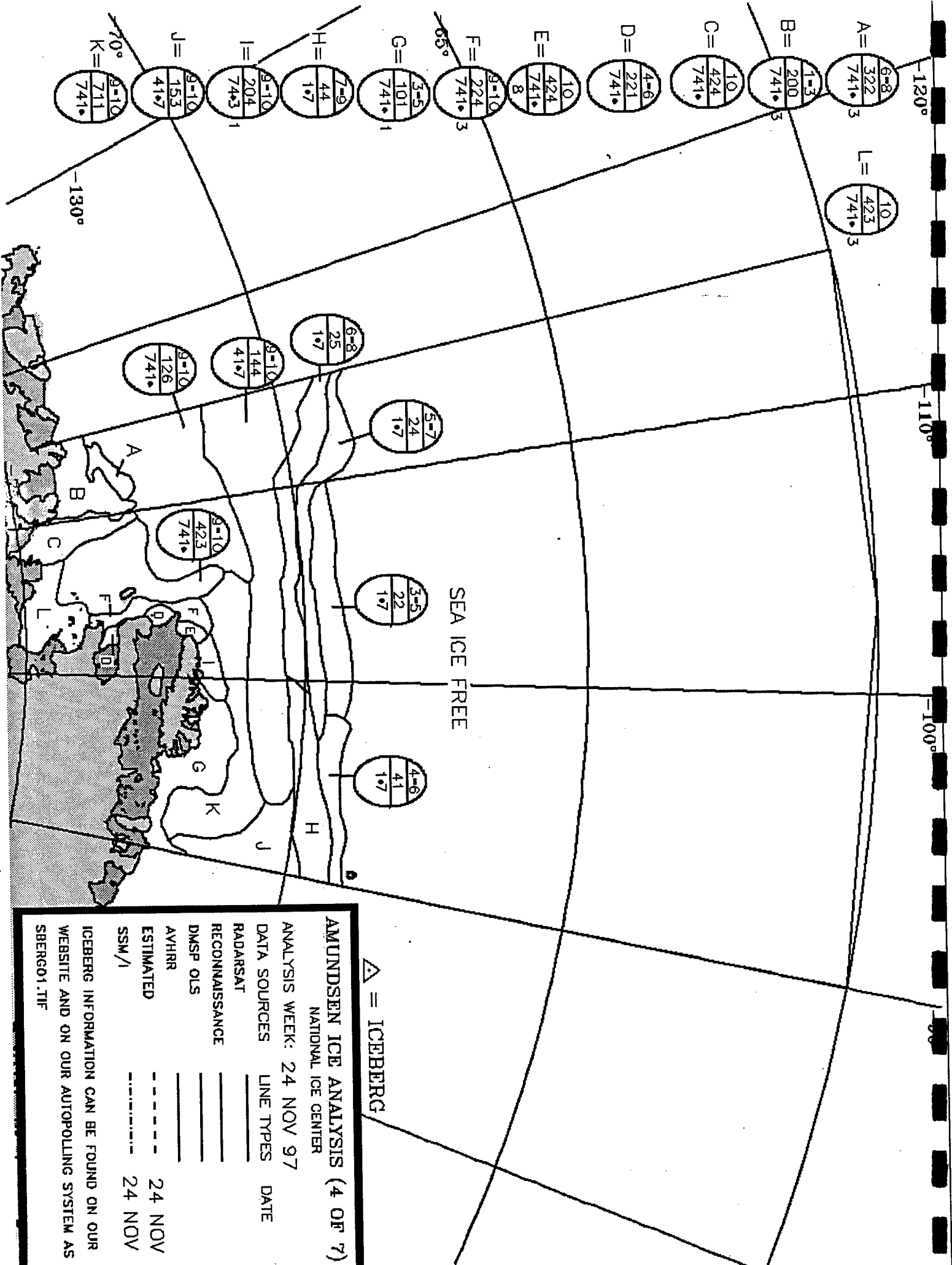
△ = ICEBERG

ANALYSIS WEEK: 24 NOV 97

DATA SOURCES	LINE TYPES	DATE
RADARSAT	_____	
RECONNAISSANCE	_____	
DMSP OLS	_____	
AVHRR	_____	
ESTIMATED	-----	23 NOV 97
SSM/I	-----	23 NOV 97

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF





△ = ICEBERG

AMUNDSEN ICE ANALYSIS (4 OF 7)

NATIONAL ICE CENTER

ANALYSIS WEEK: 24 NOV 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

AVHRR

ESTIMATED

SSM/I

24 NOV
24 NOV

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

AMUNDSEN SEA ICE ANALYSIS (5 OF 7)

NATIONAL ICE CENTER

ANALYSIS WEEK: 24 NOV 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

AVHRR

ESTIMATED

SSM/I

21 NOV 97

23 NOV 97

23 NOV 97

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

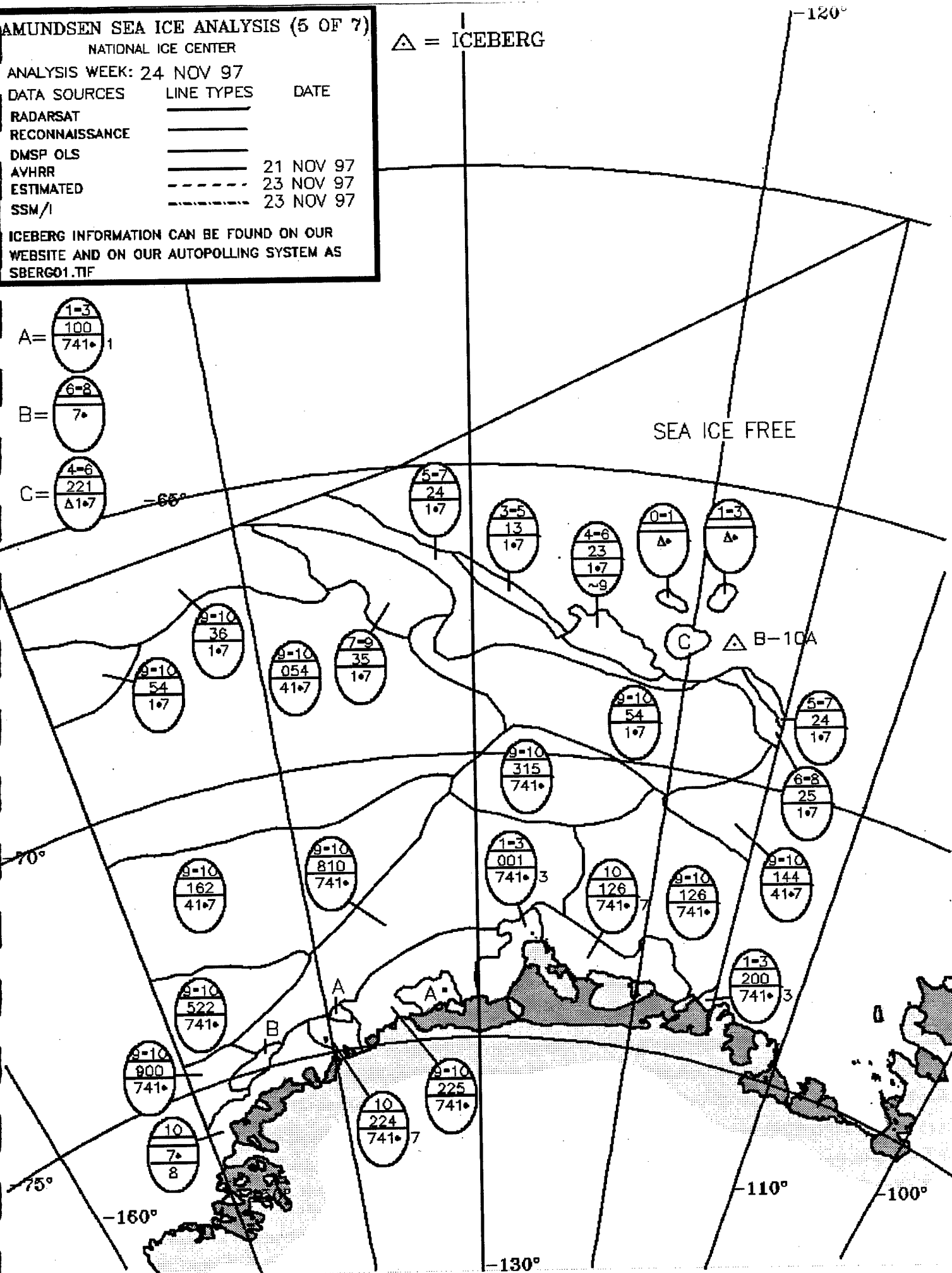
△ = ICEBERG

A = $\frac{1-3}{100}$
741°

B = $\frac{6-8}{7}$

C = $\frac{4-6}{221}$
Δ 1°7

SEA ICE FREE



AMUNDSEN SEA ICE ANALYSIS (1 OF 7)

NATIONAL ICE CENTER

ANALYSIS WEEK: 01 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

AVHRR

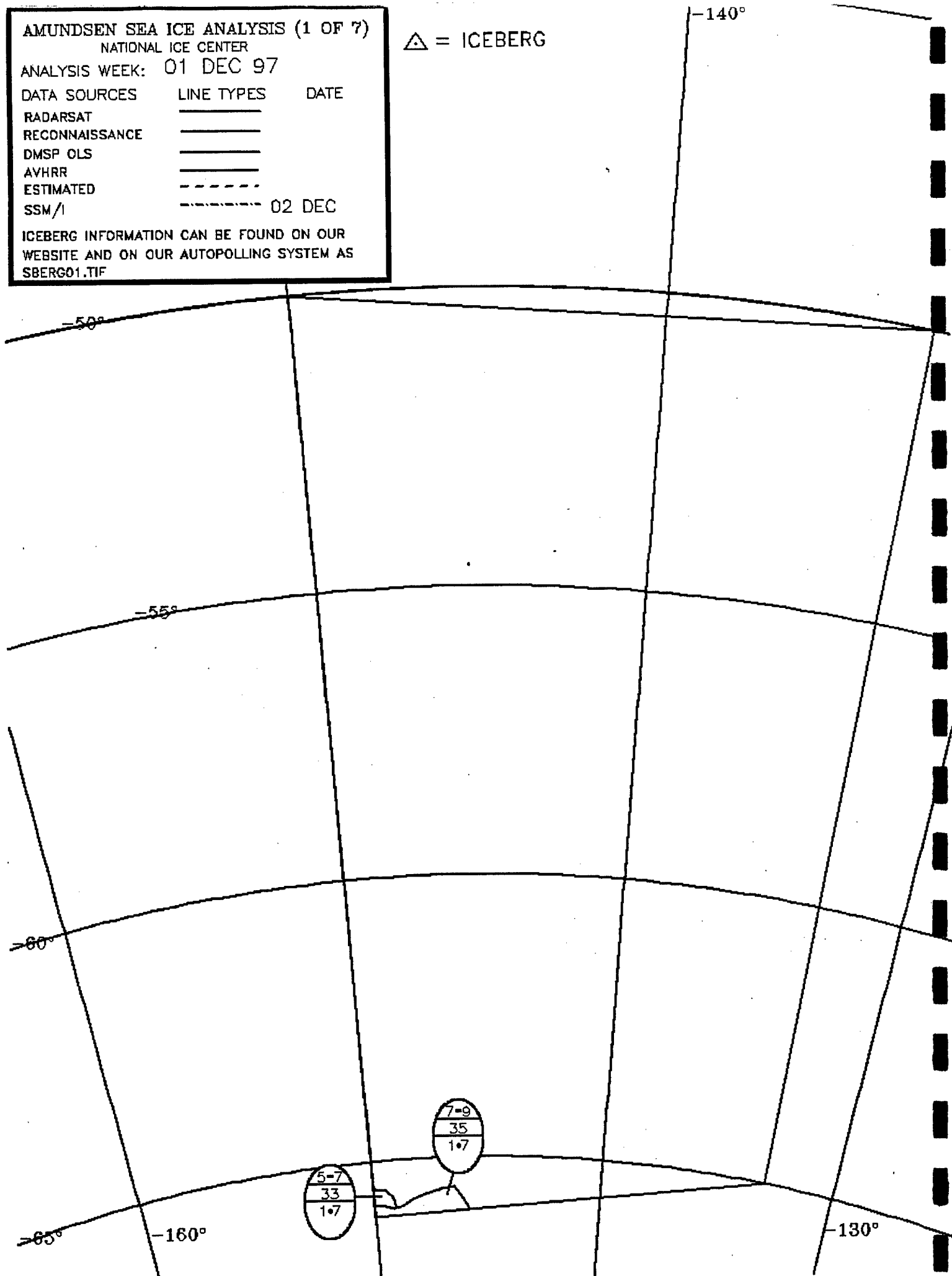
ESTIMATED

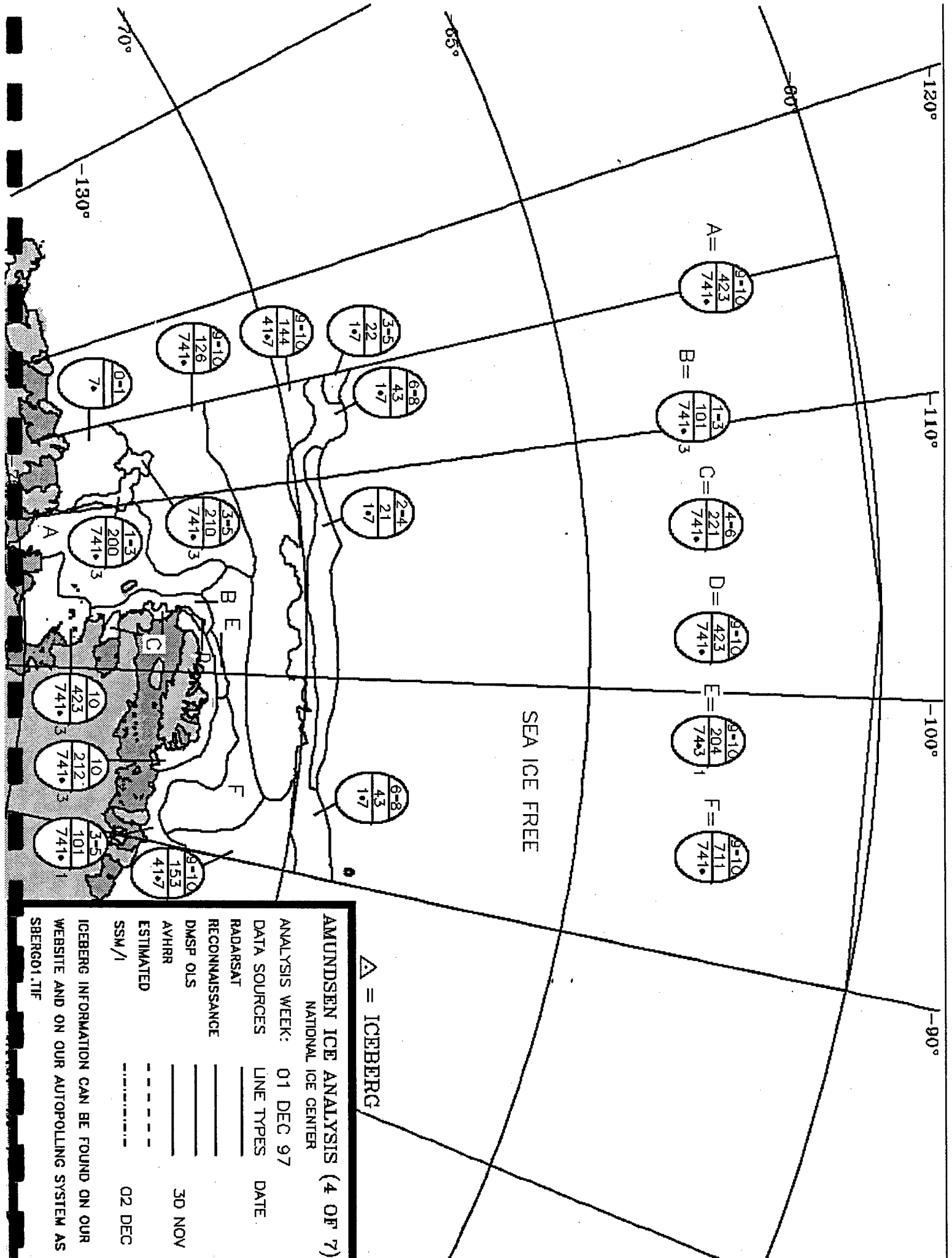
SSM/I

02 DEC

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG





AMUNDSEN ICE ANALYSIS (4 OF 7)

NATIONAL ICE CENTER

ANALYSIS WEEK: 01 DEC 97

DATA SOURCES: LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSF OLS

AVHRR

ESTIMATED

SSM/I

30 NOV

02 DEC

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

$\triangle = \text{ICEBERG}$

ANALYSIS WEEK: 02 DEC 97

DATA SOURCES	LINE TYPES	DATE
--------------	------------	------

RADARSAT

RECONNAISSANCE

DMSF OLS

AYHRR

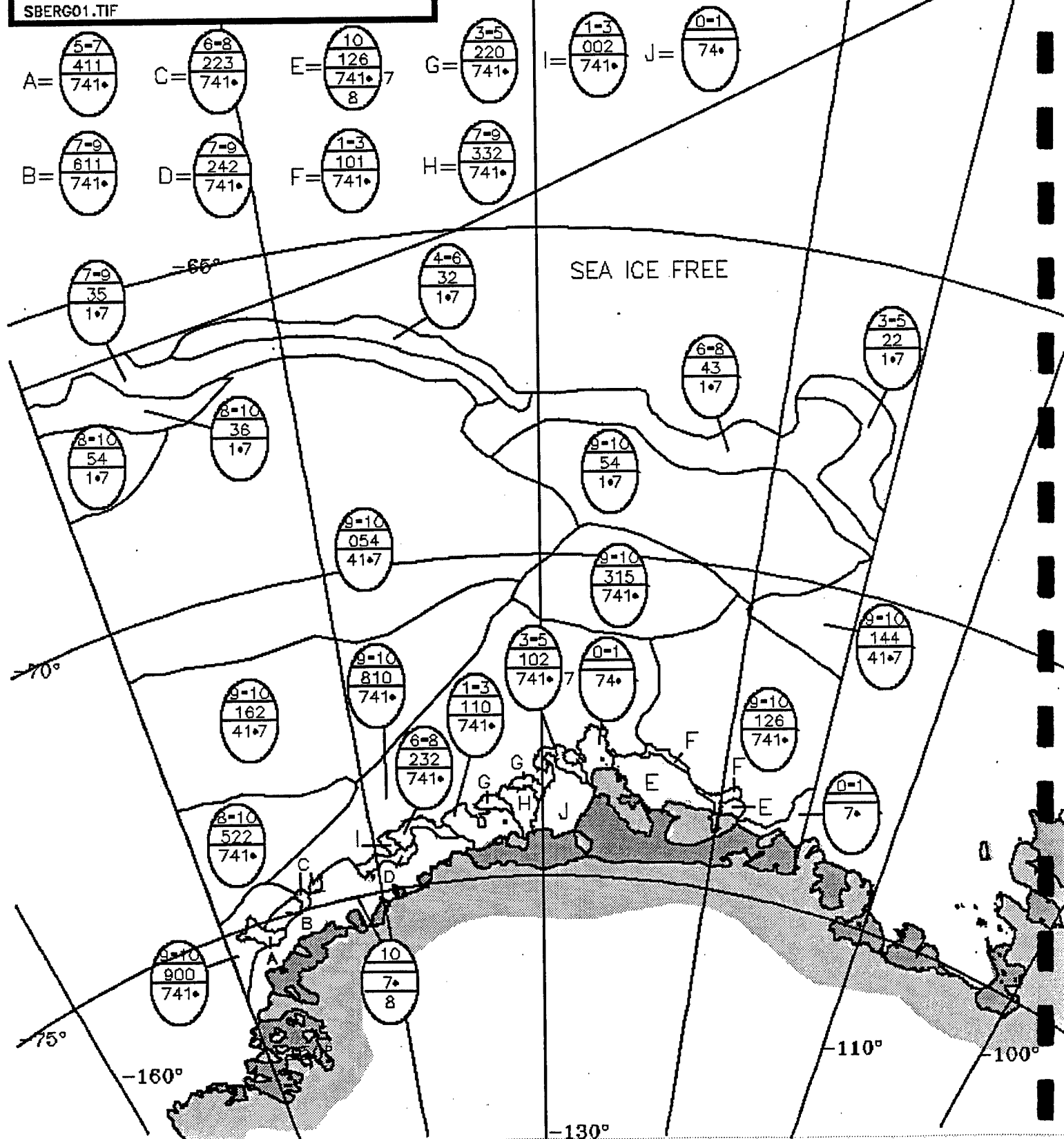
ESTIMATED

SSM/I

30 NOV

02 DEC

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF



AMUNDSEN SEA ICE ANALYSIS (1 OF 7)

NATIONAL ICE CENTER

△ = ICEBERG

ANALYSIS WEEK: 10 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

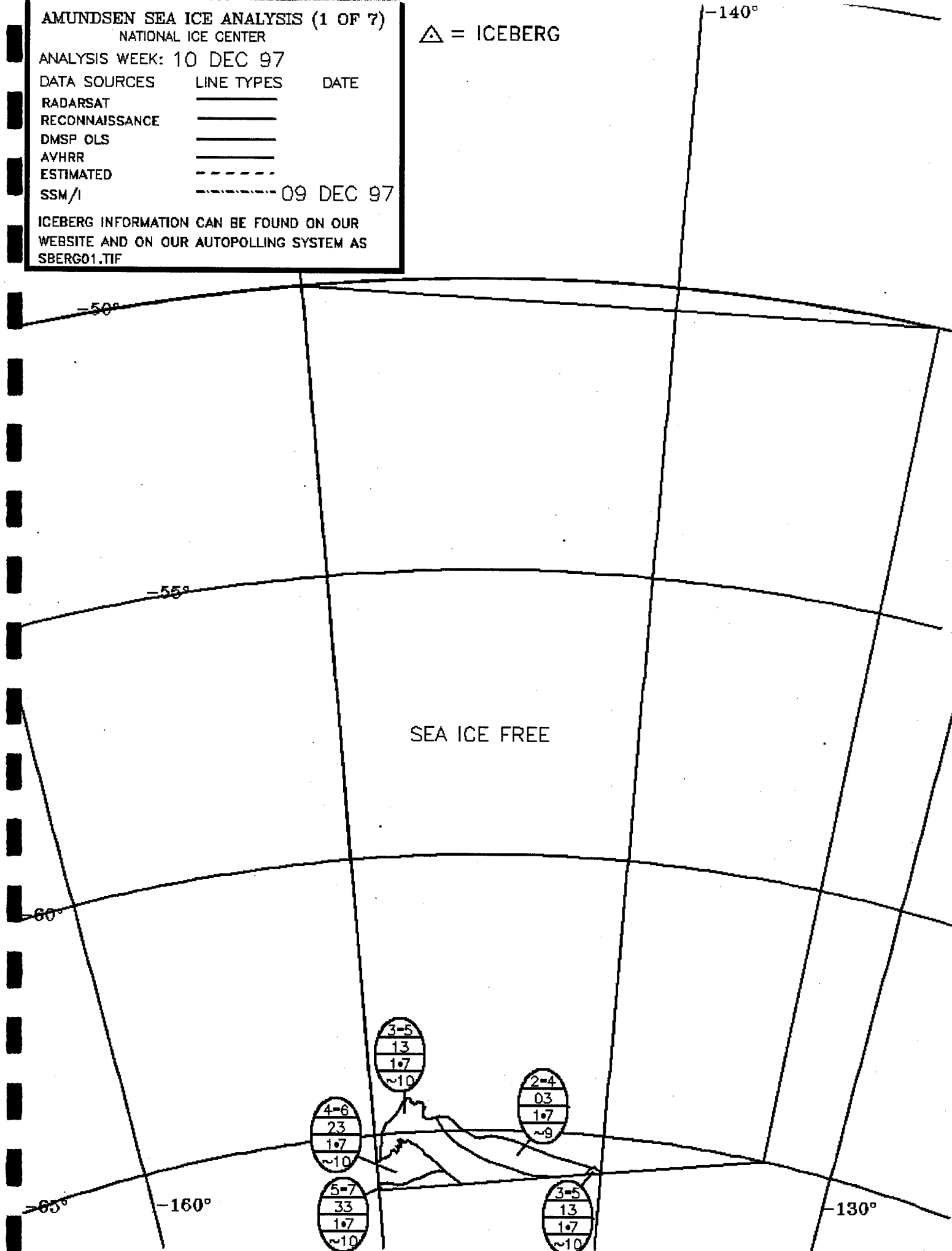
AVHRR

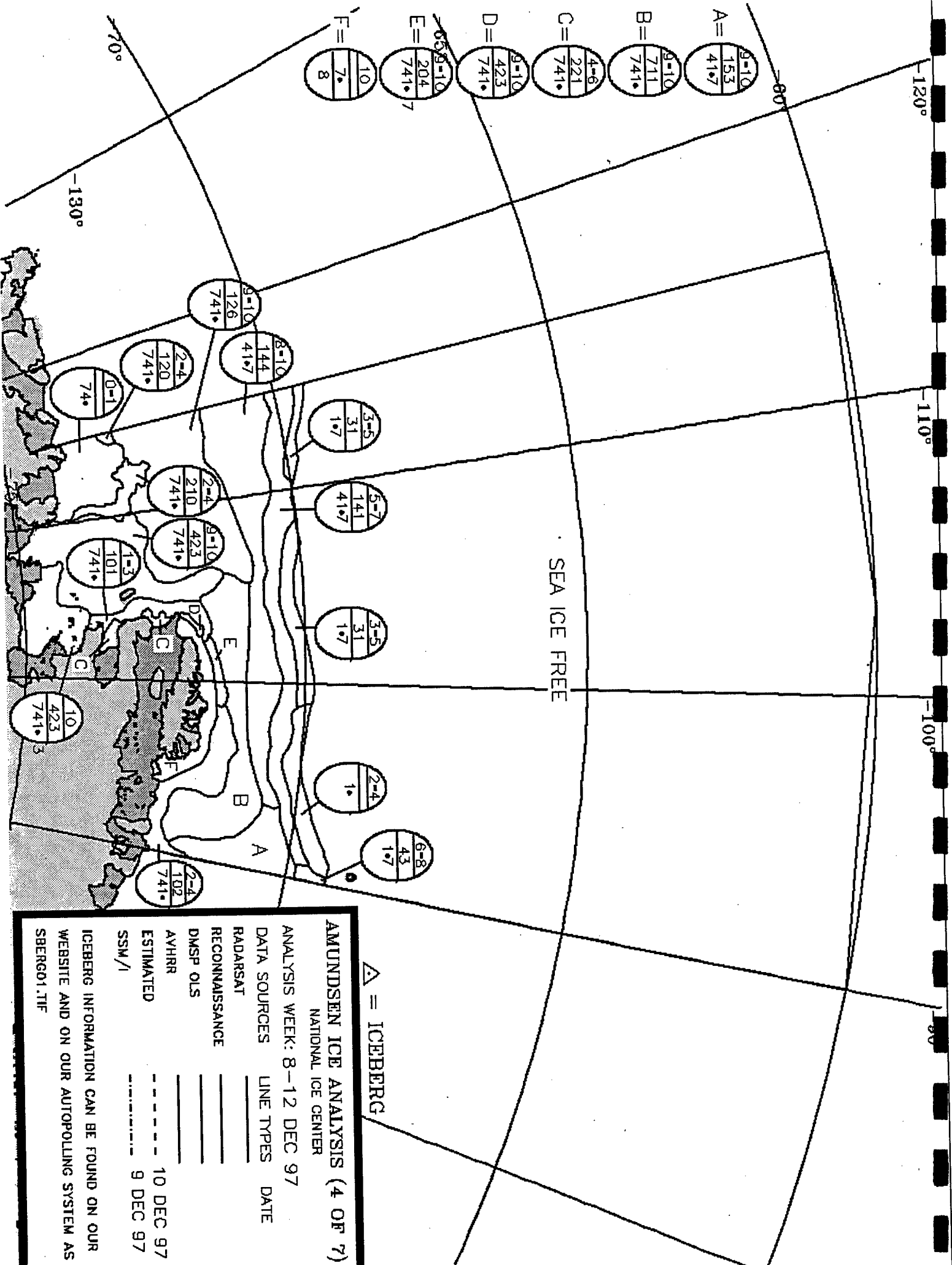
ESTIMATED

SSM/I

09 DEC 97

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF





AMUNDSEN ICE ANALYSIS (4 OF 7)

NATIONAL ICE CENTER

ANALYSIS WEEK: 8-12 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

AVHRR

ESTIMATED

SSM/I

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF

10 DEC 97
9 DEC 97

AMUNDSEN SEA ICE ANALYSIS (5 OF 7)

NATIONAL ICE CENTER

ANALYSIS WEEK: 08-12 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSF OLS

AVHRR

ESTIMATED

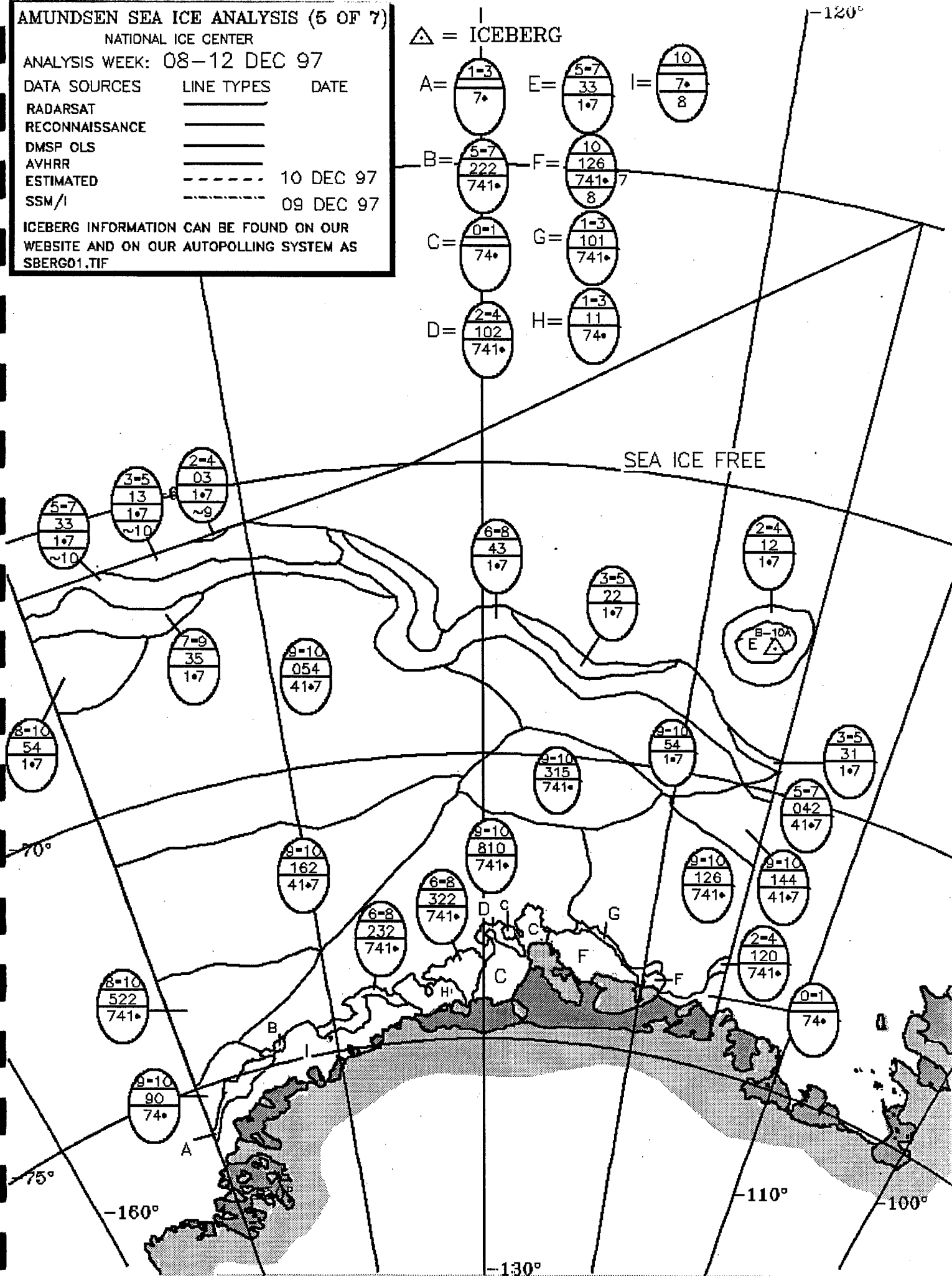
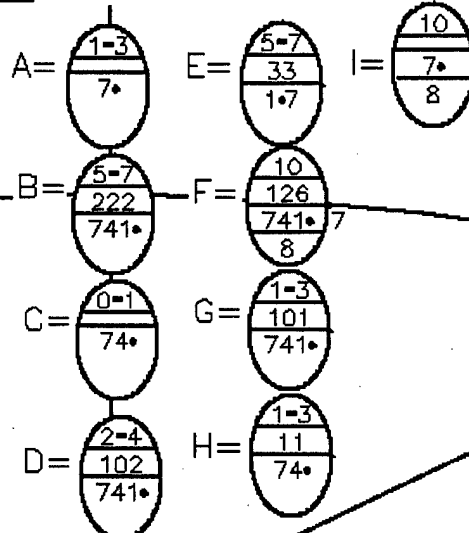
10 DEC 97

SSM/I

09 DEC 97

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG



AMUNDSEN SEA ICE ANALYSIS (1 OF 7)

NATIONAL ICE CENTER

ANALYSIS WEEK: 15-19 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT _____

RECONNAISSANCE _____

DMSP OLS _____

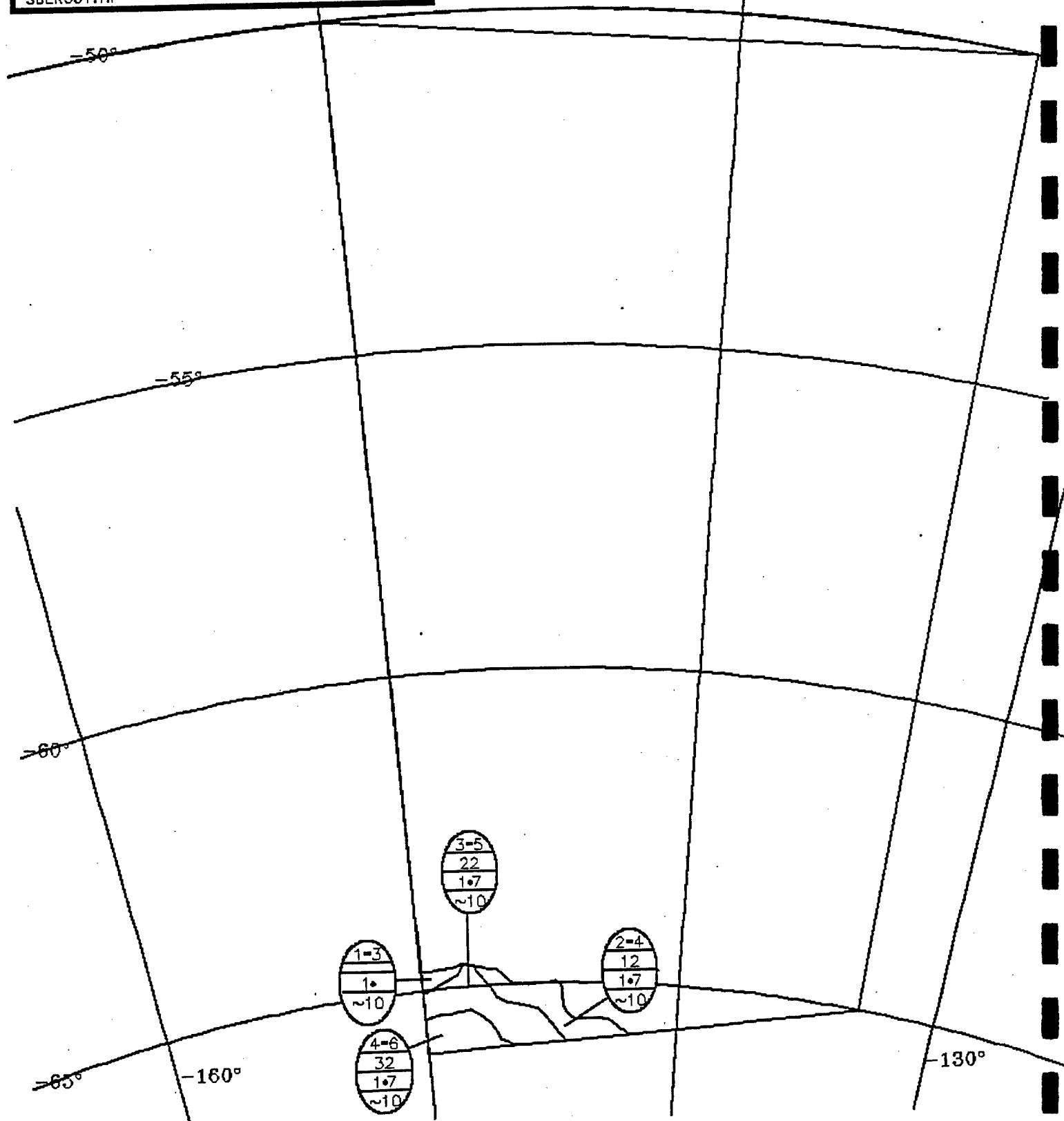
AVHRR _____

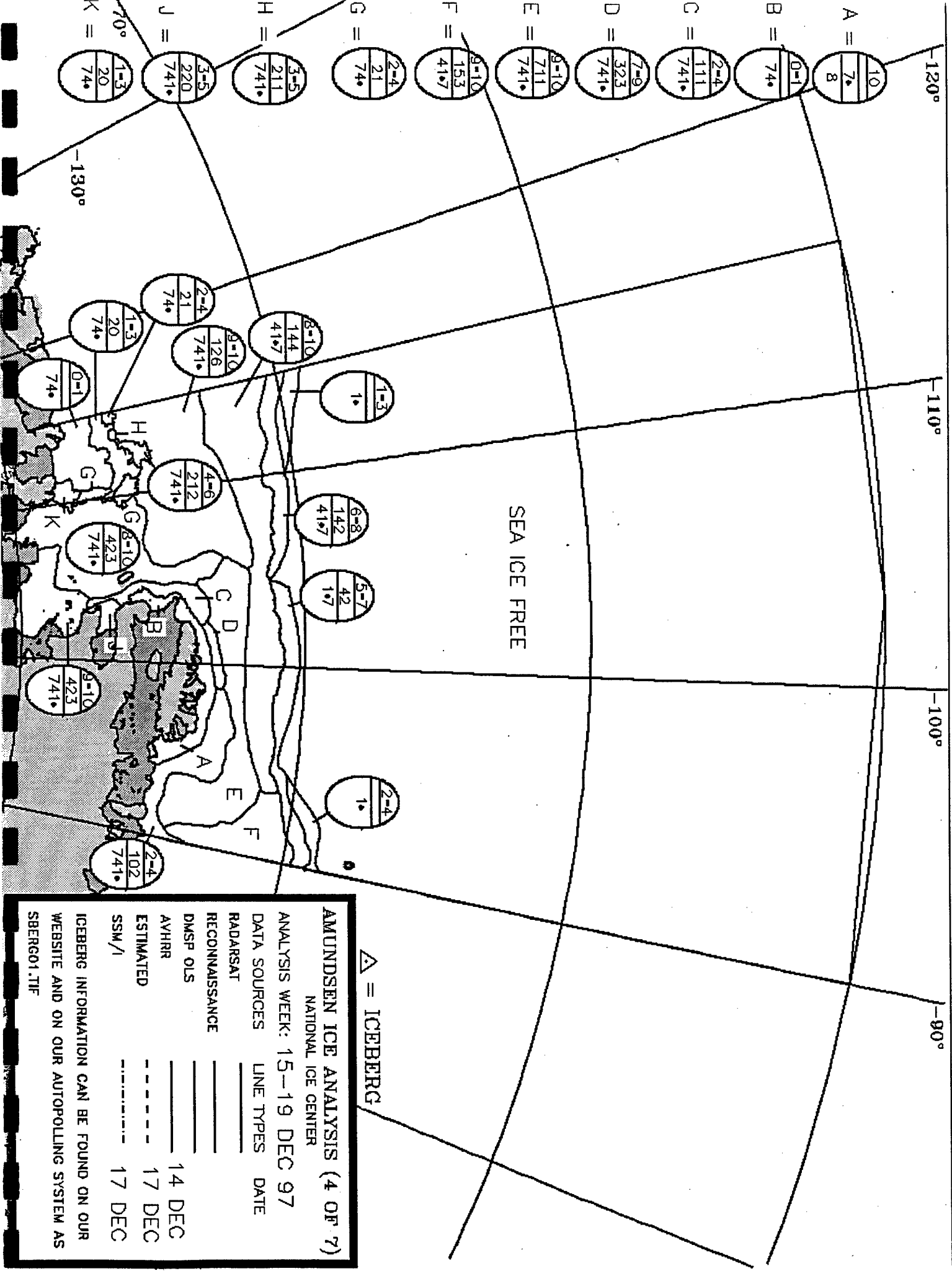
ESTIMATED - - - - - 17 DEC

SSM/I - - - - - 17 DEC

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG



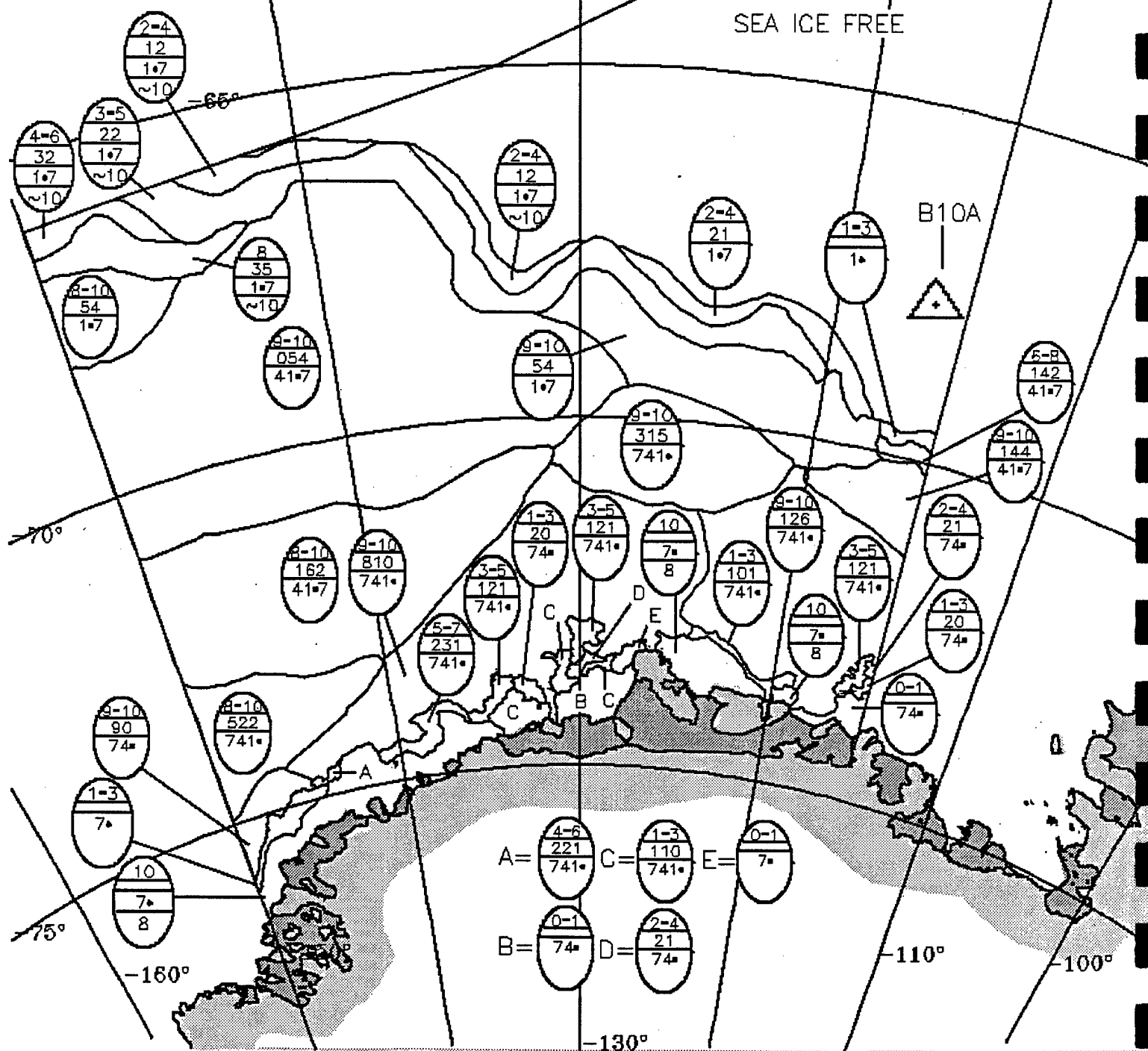


$\triangle = \text{ICEBERG}$

SSM/1 ----- 17 DEC 97

SEA ICE FREE

B10A



AMUNDSEN SEA ICE ANALYSIS (1 OF 7)

NATIONAL ICE CENTER

ANALYSIS WEEK: 22-26 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

AVHRR

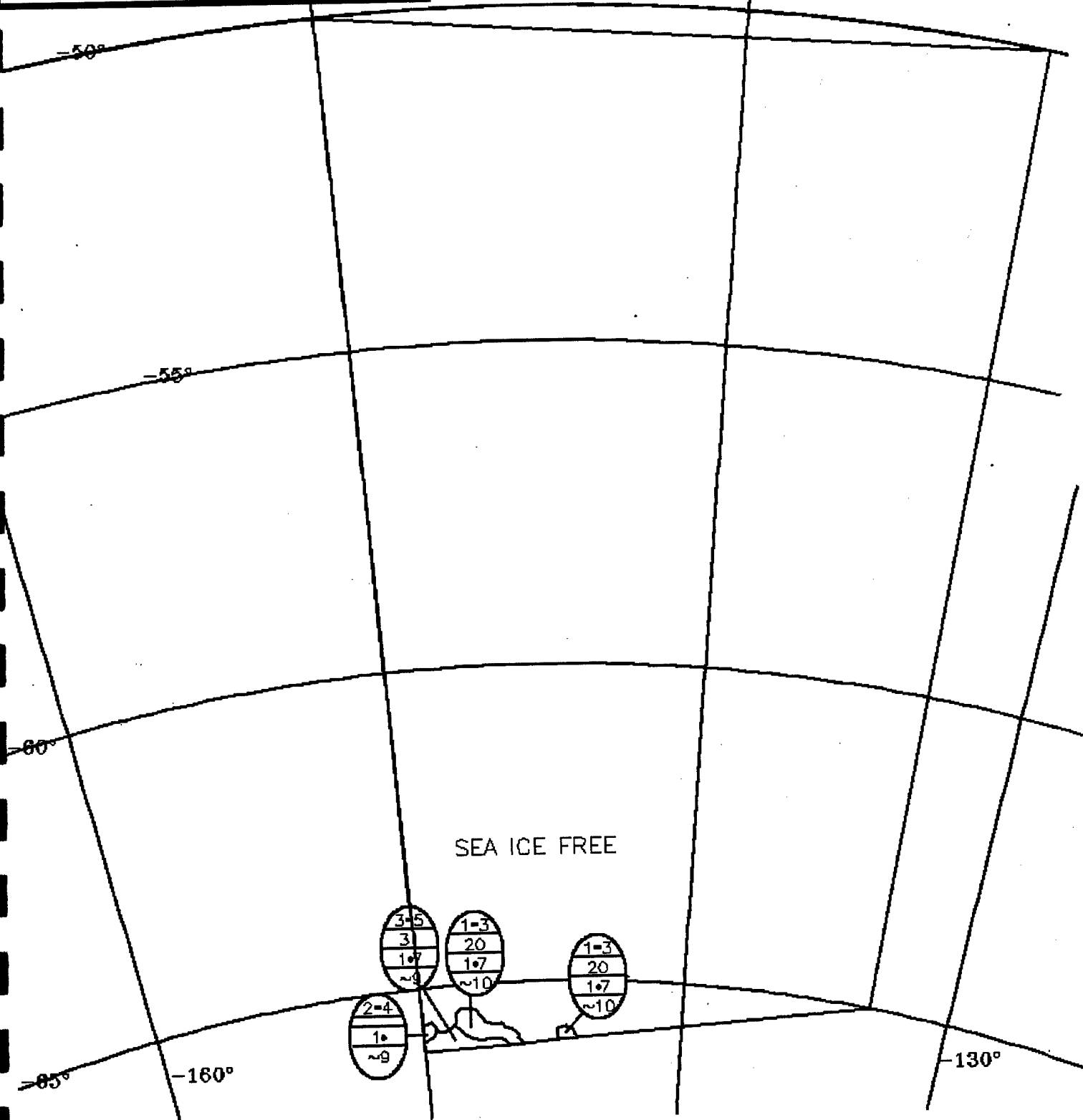
ESTIMATED

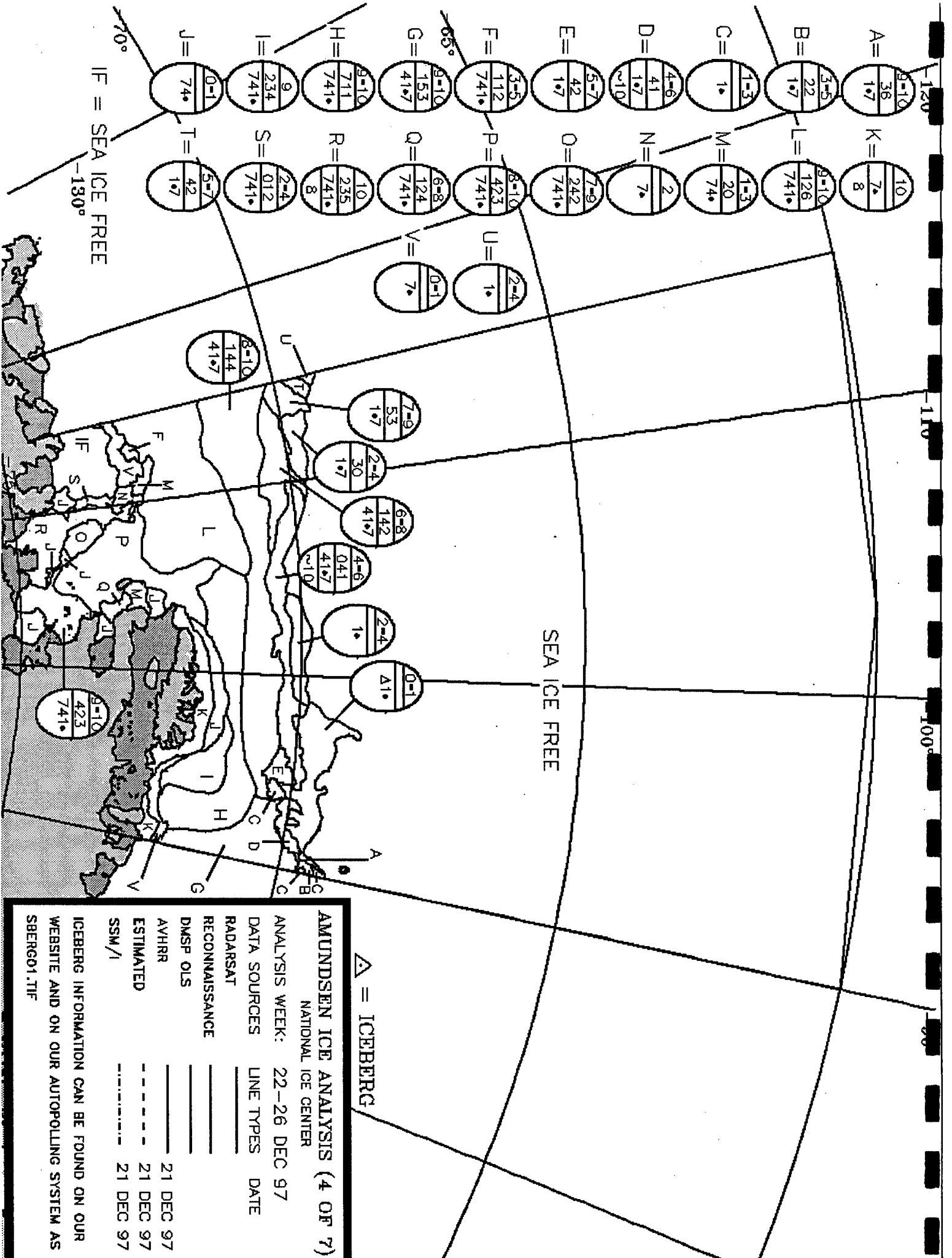
SSM/I

21 DEC

ICEBERG INFORMATION CAN BE FOUND ON OUR
WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS
SBERG01.TIF

△ = ICEBERG





△ = ICEBERG

AMUNDSEN ICE ANALYSIS (4 OF 7)

NATIONAL ICE CENTER

ANALYSIS WEEK: 22-26 DEC 97

DATA SOURCES: LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSP OLS

AVHRR 21 DEC 97

ESTIMATED 21 DEC 97

SSM/I 21 DEC 97

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF

AMUNDSEN SEA ICE ANALYSIS (5 OF 7)

NATIONAL ICE CENTER

ANALYSIS WEEK: 22-26 DEC 97

DATA SOURCES LINE TYPES DATE

RADARSAT

RECONNAISSANCE

DMSF OLS

AVHRR

ESTIMATED

SSM/I

20-21 DEC

22 DEC

21 DEC

ICEBERG INFORMATION CAN BE FOUND ON OUR WEBSITE AND ON OUR AUTOPOLLING SYSTEM AS SBERG01.TIF

△ = ICEBERG

I = $\frac{4-6}{041}$
417

M = $\frac{0-1}{74\bullet}$

Q = $\frac{4-6}{32}$
17

J = $\frac{3-5}{220}$
741•

N = $\frac{0-1}{7\bullet}$

R = $\frac{3-5}{31}$
17
~10

K = $\frac{4-6}{221}$
741•

O = $\frac{2-4}{21}$
74•

S = $\frac{3-5}{31}$
17
~9

L = $\frac{1-3}{110}$
741•

P = $\frac{10}{7\bullet}$
8

A = $\frac{6-8}{52}$
17

C = $\frac{8-10}{54}$
17

E = $\frac{9-10}{45}$
17

G = $\frac{4-6}{32}$
17
~10

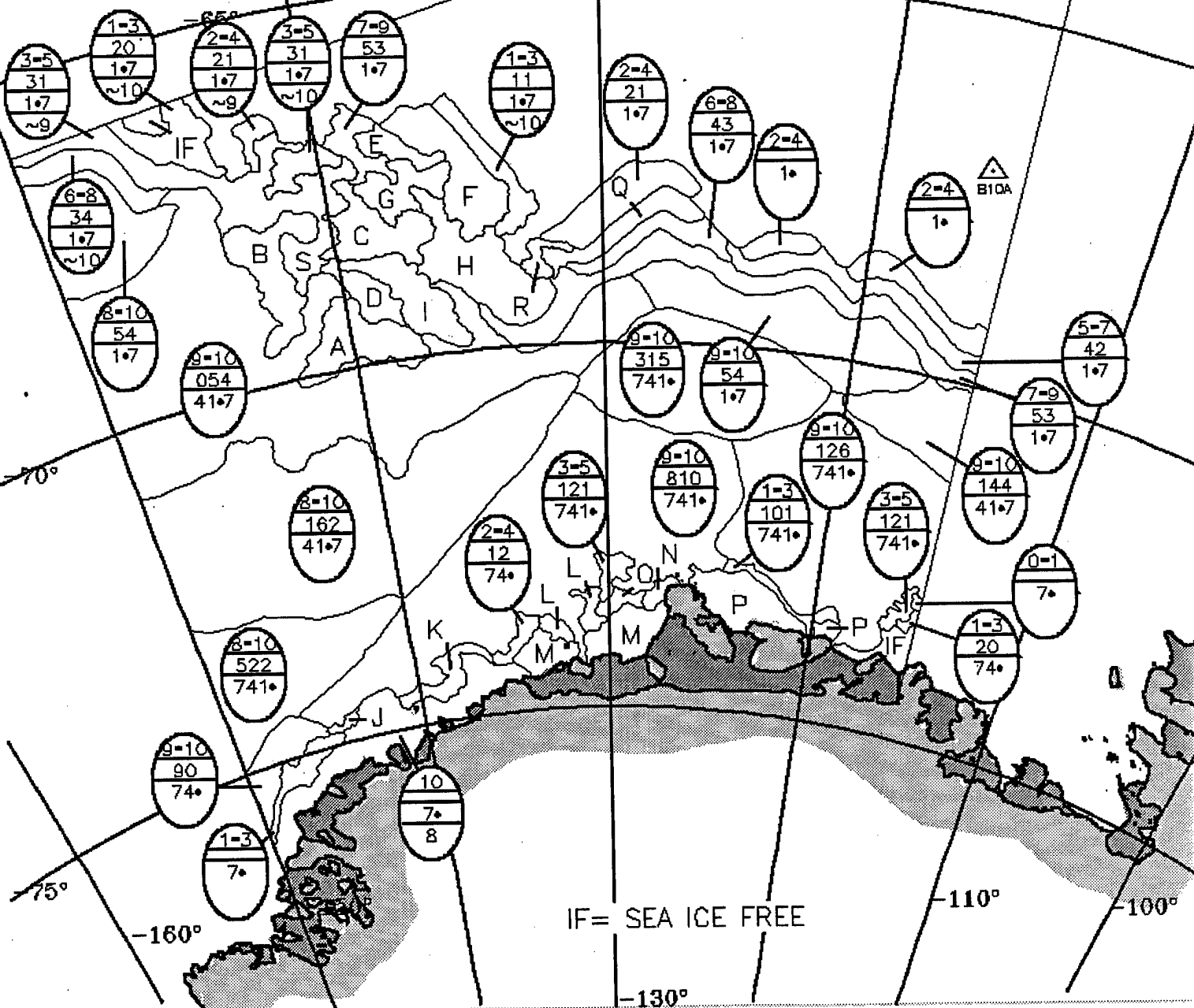
B = $\frac{2-4}{21}$
17

D = $\frac{7-9}{53}$
17

F = $\frac{5-7}{42}$
17
~10

H = $\frac{6-8}{43}$
17
~10

SEA ICE FREE



From	To	Sensor Platform	Sensor and Type	Spectral Region	Resolution	Coverage
01-97	12-97	DMSP F-10, 11, 12, 13, 14	<u>OLS Fine:</u> VIS IR <u>SSM/I</u>	0.4 to 1.1 μm 10.2 to 12.8 μm 19.35 and 37GHz	0.55 km 25 km	3,012km 3,012km
01-97	12-97	NOAA 12, 14	<u>AVHRR:</u> HRPT/LAC VIS NIR IR	0.58 to 0.68 μm 0.72 to 1.10 μm 3.55 to 3.93 μm	1.1km at nadir; 2.5km at swath edge	4,000km

TABLE 1. 1997 Antarctic Satellite Data Sources

Note: DMSP F-14 launched 04/15/97

Abbreviations and Acronyms:

AVHRR- Advanced Very High Resolution Radiometer

cm- centimeter

GHz- GigaHertz

HRPT- High Resolution Picture transmission

IR- Infrared

km- kilometer

LAC- Local Area Coverage

NIR- Near Infrared

OLS- Operational Linescan System

SSM/I- Special Sensor Microwave Imager

μm - micrometer

VIS- Visible

Antarctica satellite composite courtesy of United States Geological Survey,
Flagstaff, AZ.

(<http://TerraWeb.wr.usgs.gov/TRS/projects/Antarctica/color/images>).

Prepared under the authority of Commander, Naval Oceanography Command,
Stennis Space Center, MS 39529-5000